

FIG. 1

Patented Sep. 2, 2009

10

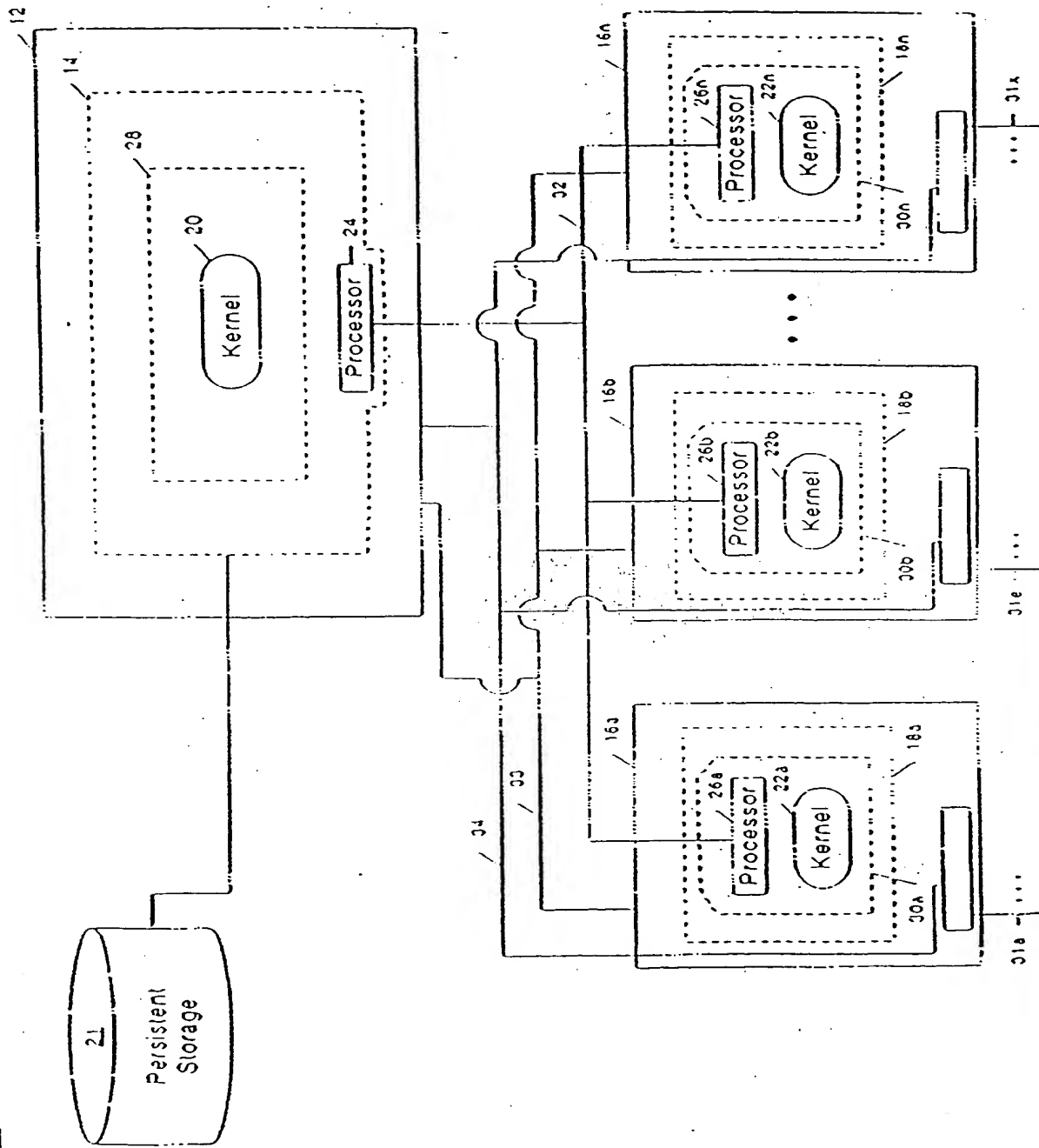


FIG. 2a

Fig. 2a

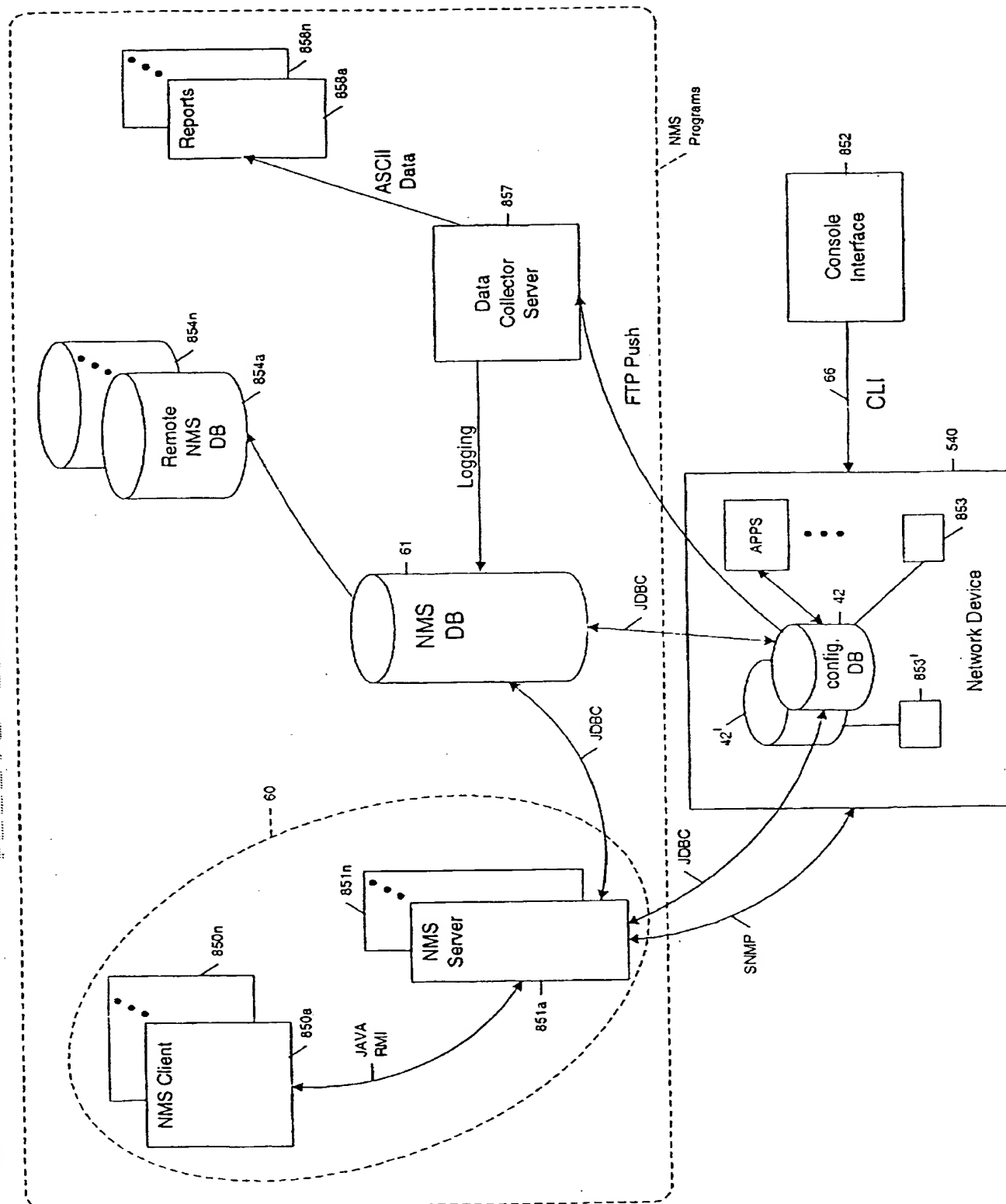


FIG. 2b

Fig. 2b

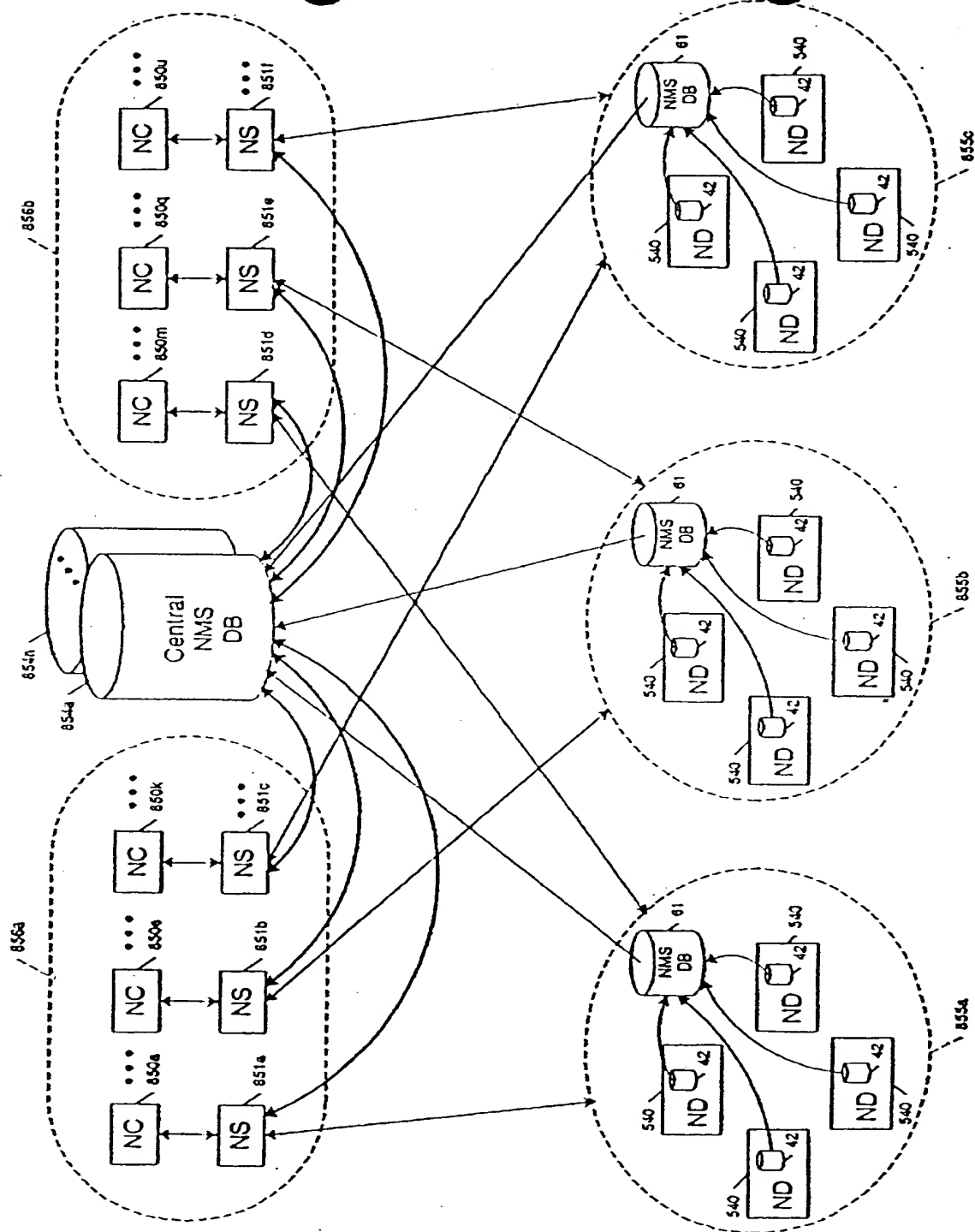


FIG. 3a

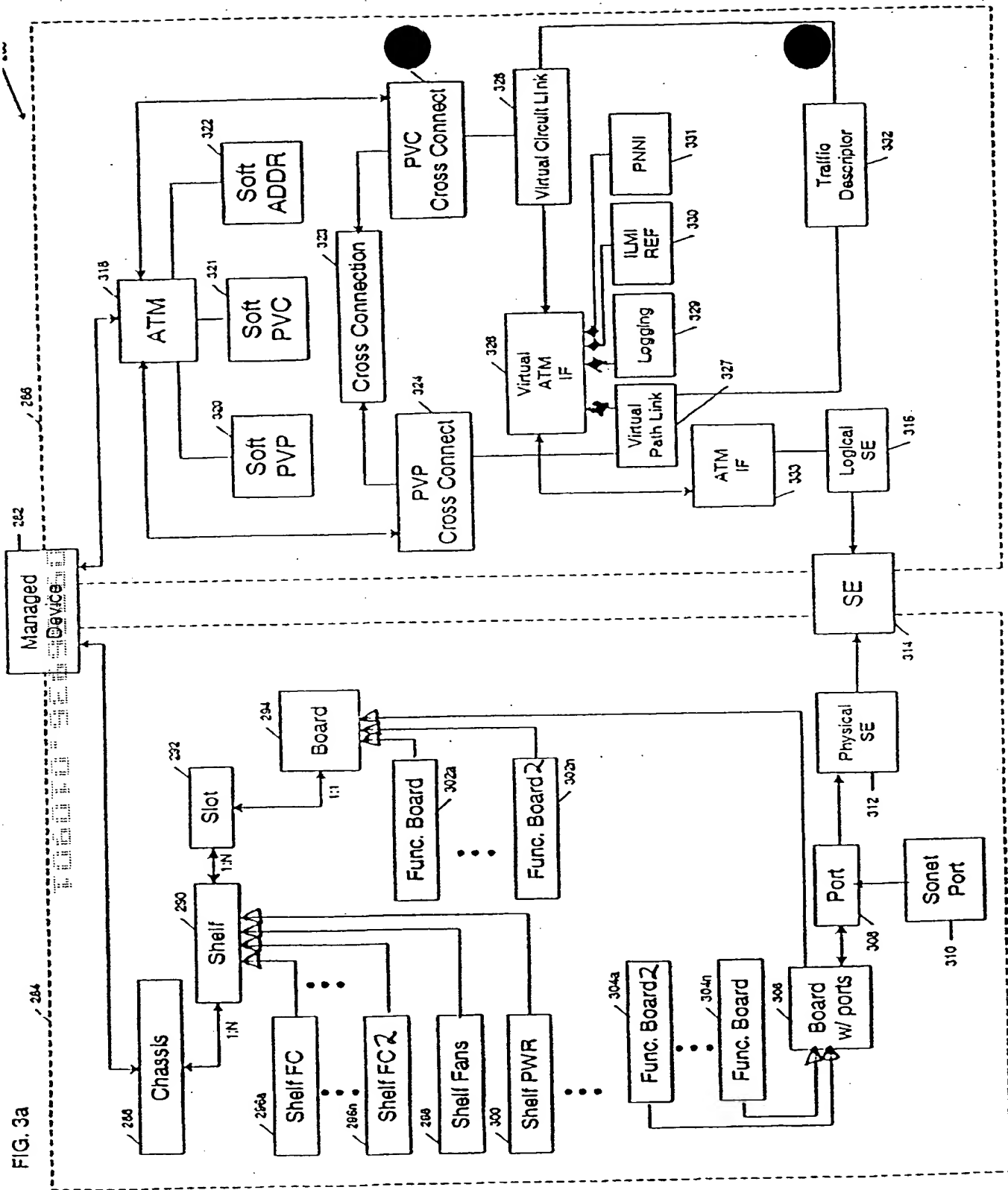


FIG. 3b

FIG. 3b

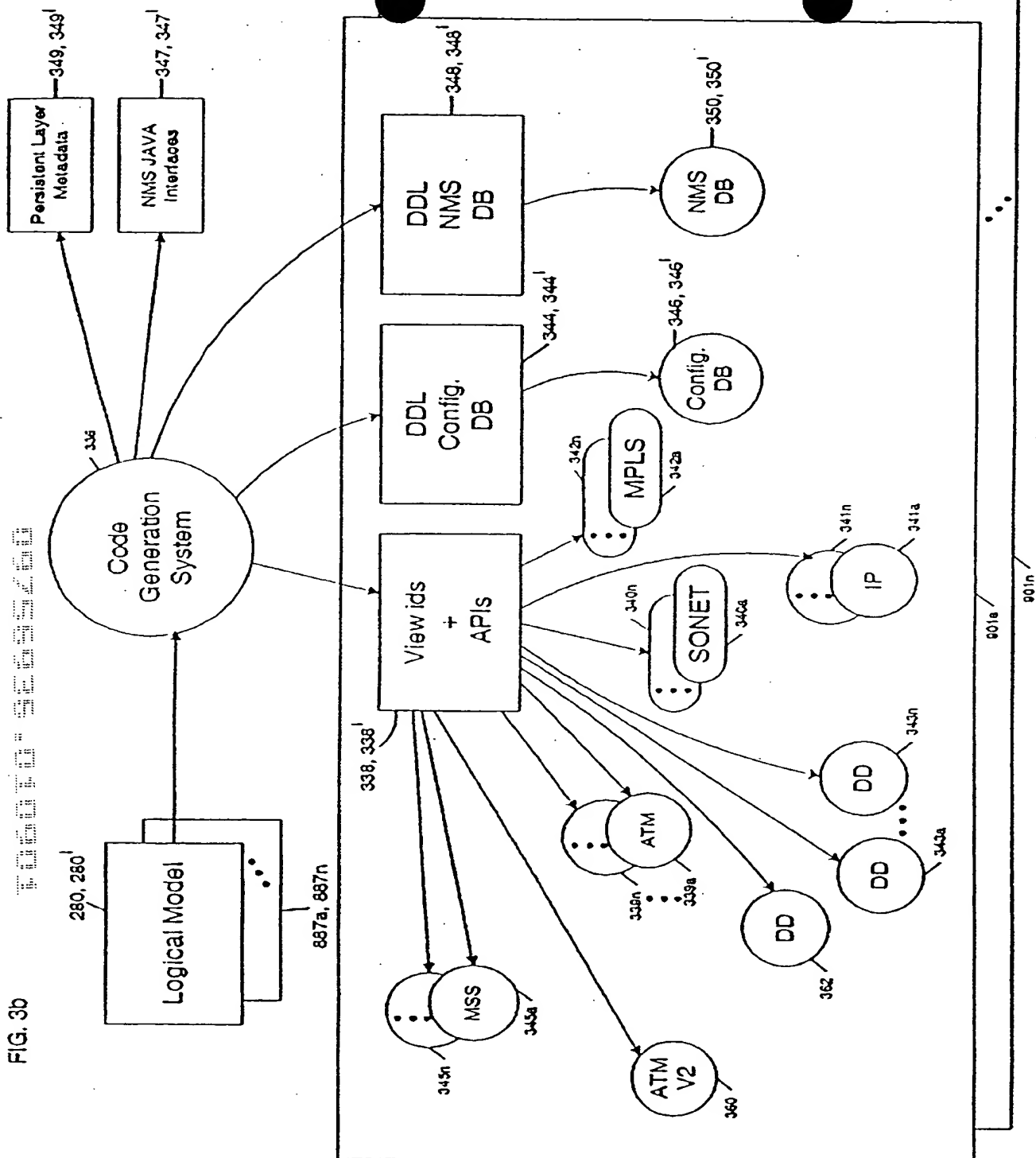


FIG. 3C

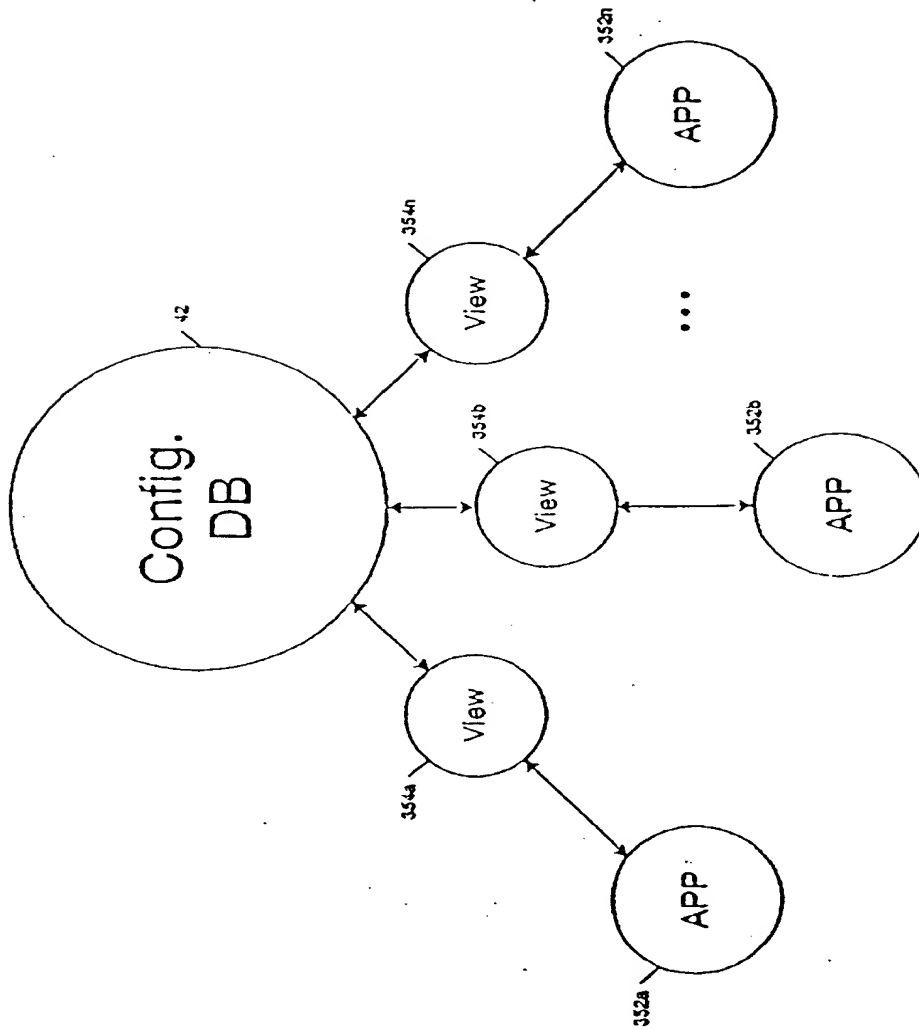
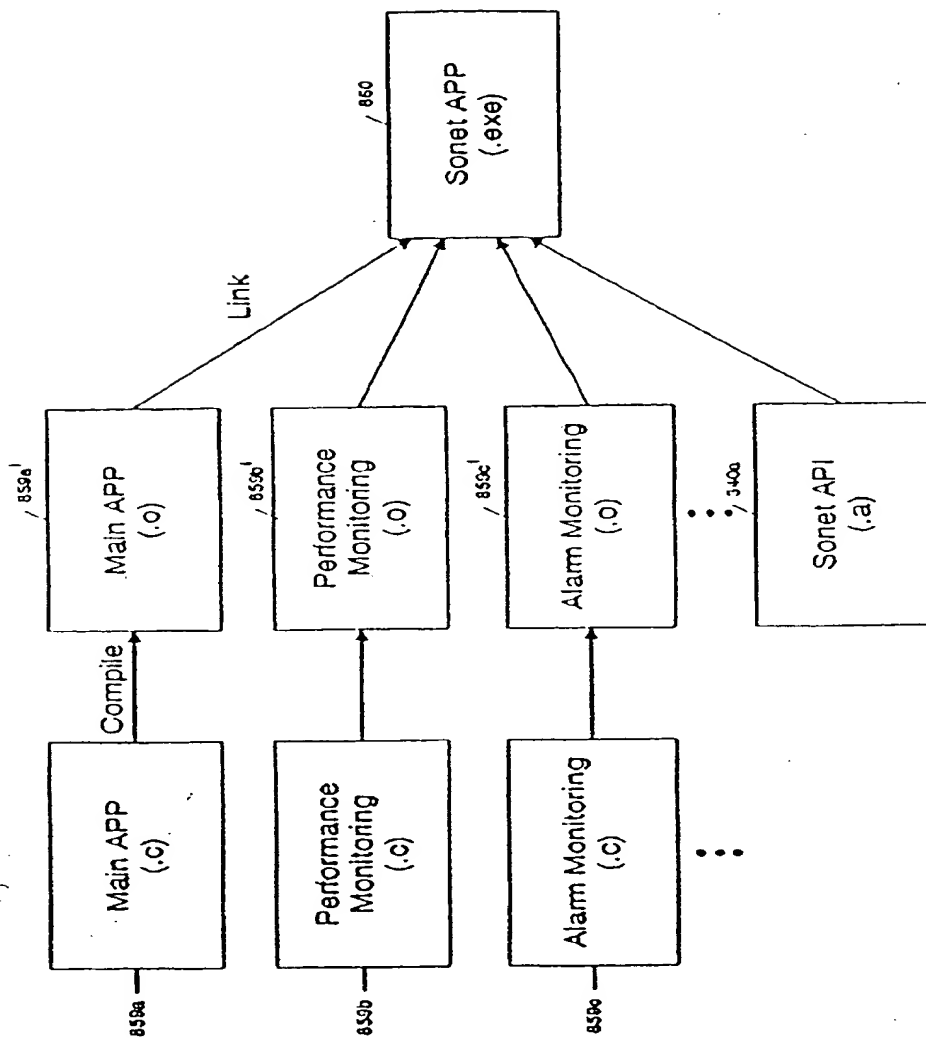


Fig. 3d

FIG. 3d

Build SONET Application



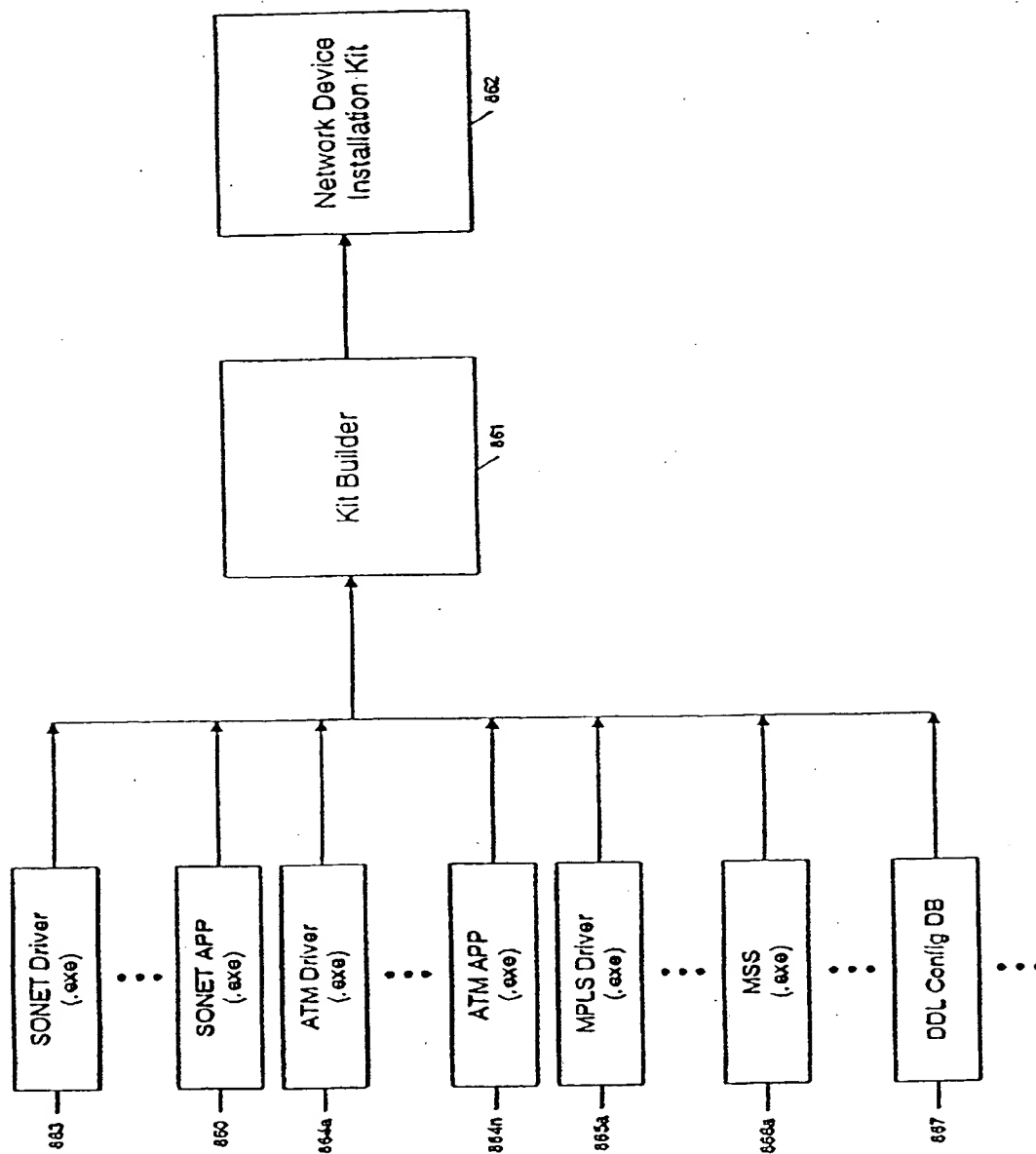


Fig. 34

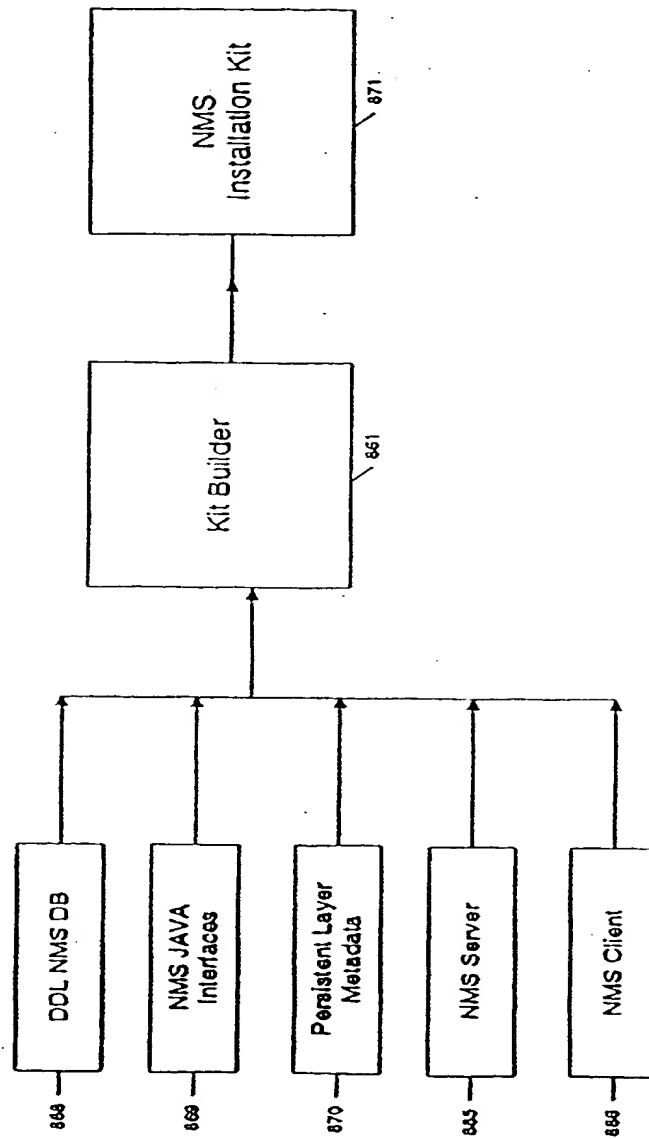
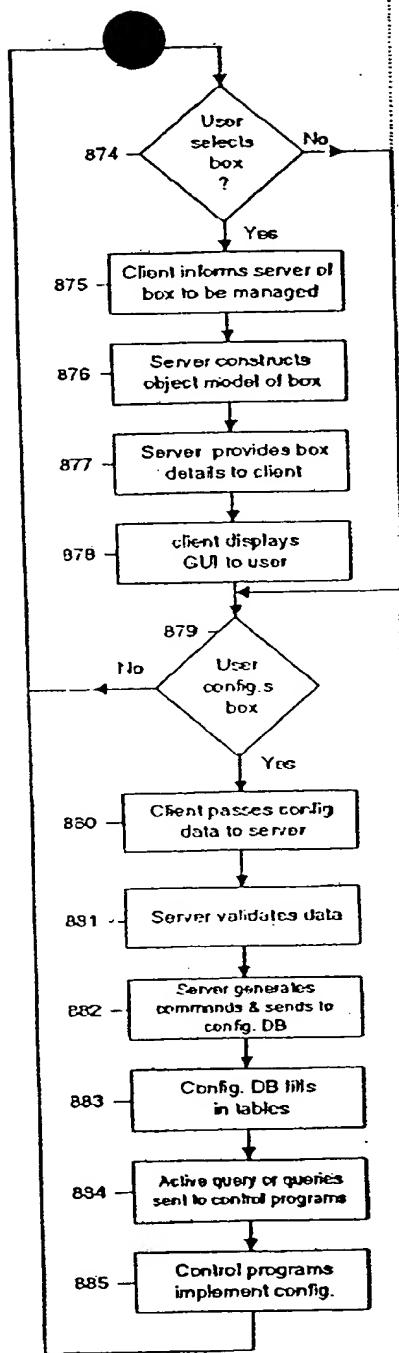


Fig. 3g



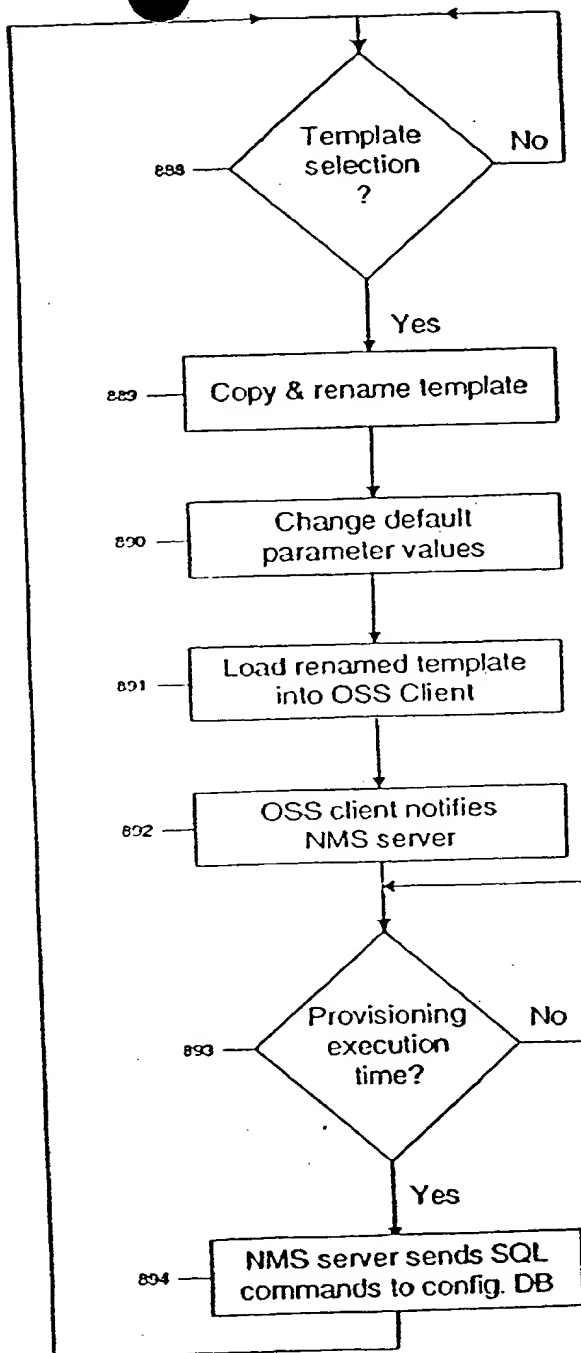


Fig. 3h

```

Command Prompt [2] - enetc5
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11>
Enetc11> help
Commands are:

bye
close
execute
help
load
manage
open
quit
showCurrent
showTemplate
set
status
writeCurrent
writeTemplate
Enetc11>
Enetc11>
Enetc11> showCurrent SPATH
AIMIfName=AIMIf11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator=Create
PortID=1
Position=1
Service=AIM
ShelfID=11
SlotID=1
Type=Terminated
Version=UI_1_0_0
Width=STS3
Enetc11>
Enetc11>
Enetc11>
Enetc11> showTemplate SPATH
AIMIfName=<String>[TerminatedOnly]
Concatenated=<true/false>
Name=<String>
Operant=SPATH
Operator=<Create/Replace/Update/Delete>
PortID=<Integer><1-16>
Position=<Integer>
Service=<None/AIM>
ShelfID=<11(top),13(bottom)>
SlotID=<Integer><1-8>
Type=<Switched/Terminated>
Version=UI_1_0_0
Width=<STS1/STS3/STS12/STS48>
Enetc11>
Enetc11>
Enetc11> status
Not currently connected to server
Supporting templates! CONTROL, PUC, SPATH, SPUC, ID, and UAIF
Enetc11>

```

Fig.3i

Fig. 3j

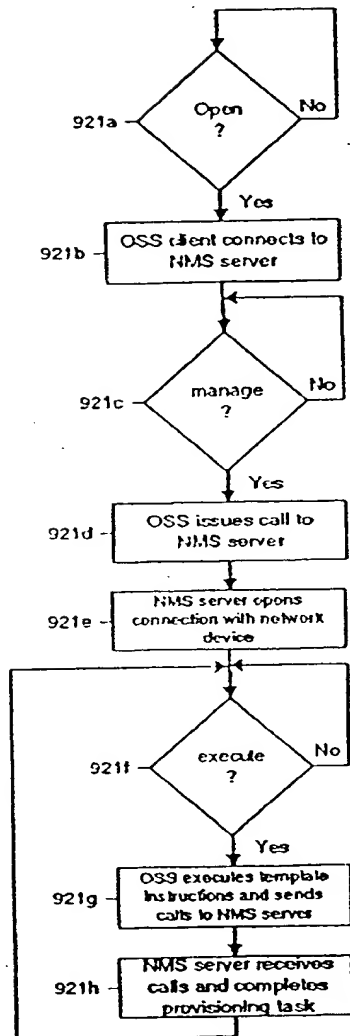


Fig 3K

```
Command Prompt (2) - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli> showCurrent CONTROL
Input=Q:\nnc\con\equipecon\nnc\util\enetcli
Interactive=false
Operant=CONTROL
Operator=Manage
Output=Q:\nnc\con\equipecon\nnc\util\enetcli
Password=None
System=192.168.9.202
User=None
Version=U1_1_0_0
Server=localhost
Enetcli>
```

922

923A

923X

923C

923E

923O

923S

923A

00756936 0400004

← 924 BATCH.

Version=V1_1_0_0

Operator=Execute

Version=V1_1_0_0

-Task I=execute-SPATH

-Task2=execute-PVC

-Task3=execute-SPVC

Task4=load-SPVC-spvc1

-Task5=execute-SPVC

-Task6=load-SPVC-spvc2

-Task7=exccute-SPVC

9243-Task50=set-SPATH-PortID-3

924h—Task51=execute-SPATH

9241—Task52=set-SPATH-SlotID-2

q 24) —Task53=execute-SPATH

925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0

- 925a — Task1=execute-CONTROL
- 925b — Task2=execute-SPATH
- 925c — Task3=set-SPATH-PortID-3
- 925d — Task4=execute-SPATH
- 925e — Task61=set-CONTROL-System-192.168.9.201
- 925f — Task62=execute-CONTROL
- 925g — Task63=execute-SPATH
- 925h — Task108=close
- 925i — Task109=set-CONTROL-Server-Server1
- 925j — Task110=set-CONTROL-System-192.168.8.200
- 925k — Task111=execute-CONTROL
- 925l — Task112=execute-SPATH

Fig. 3M

895

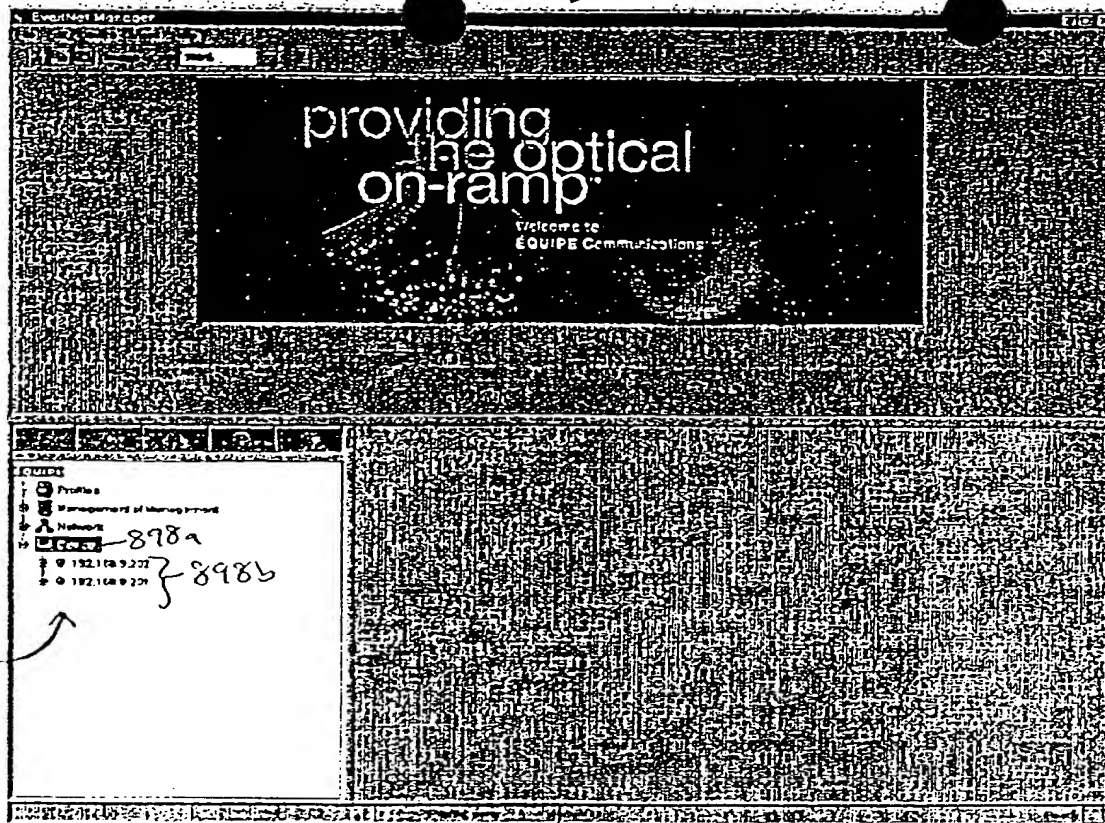


Fig. 4a

895

898a
898b
898c

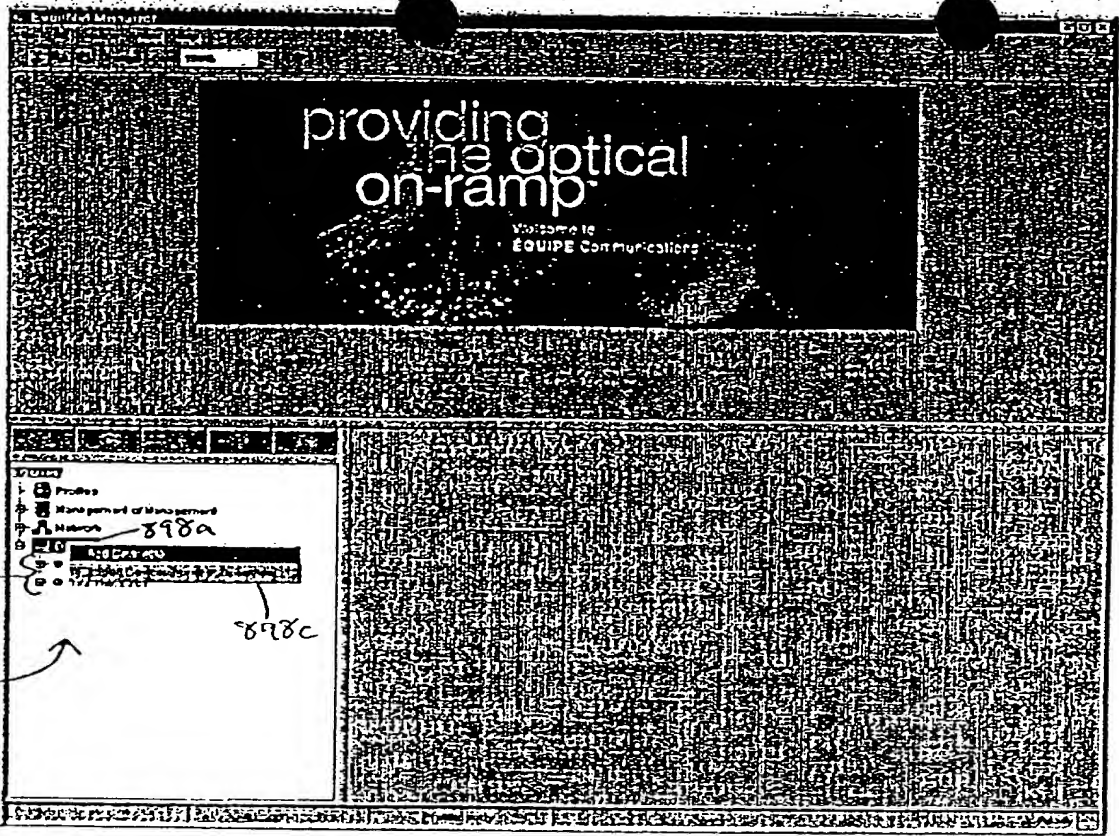


Fig. 4b

Fig. 4c

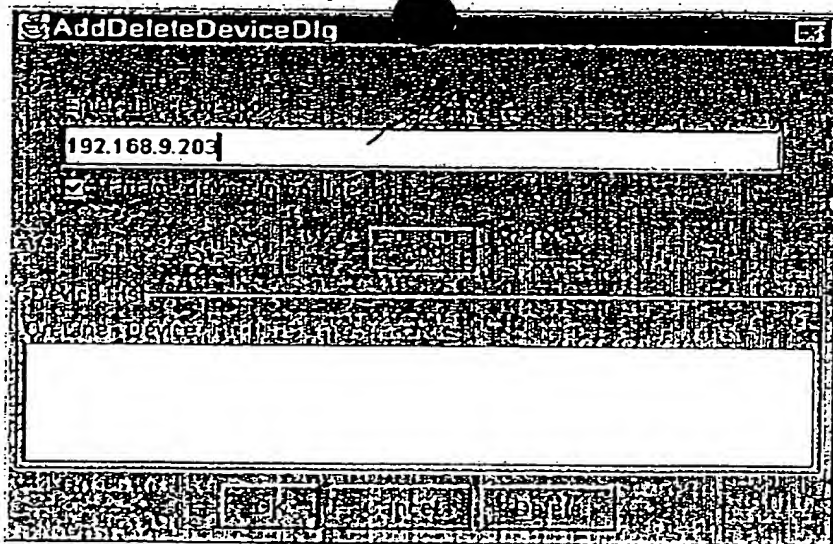
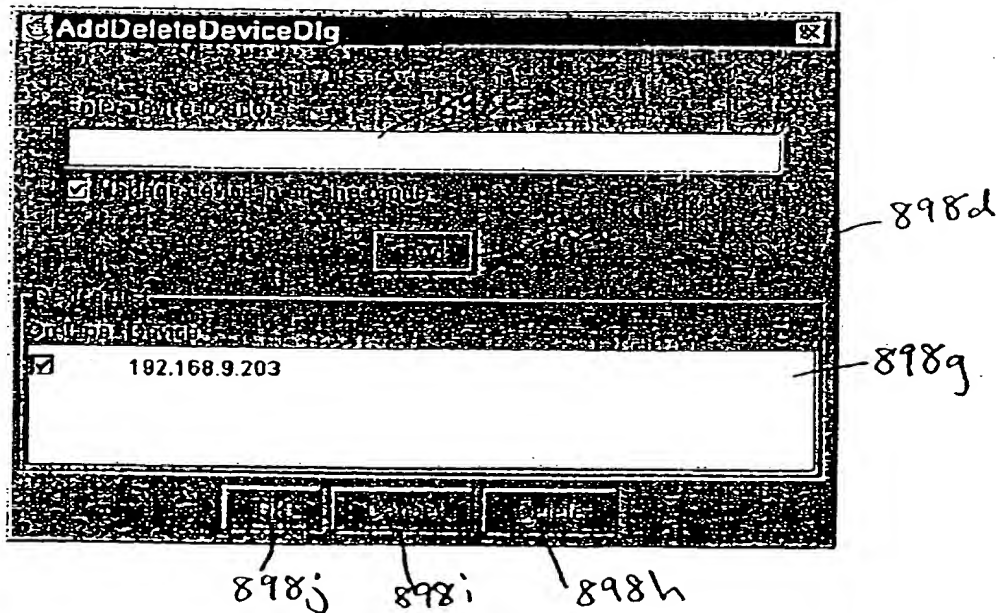


Fig. 4d



895

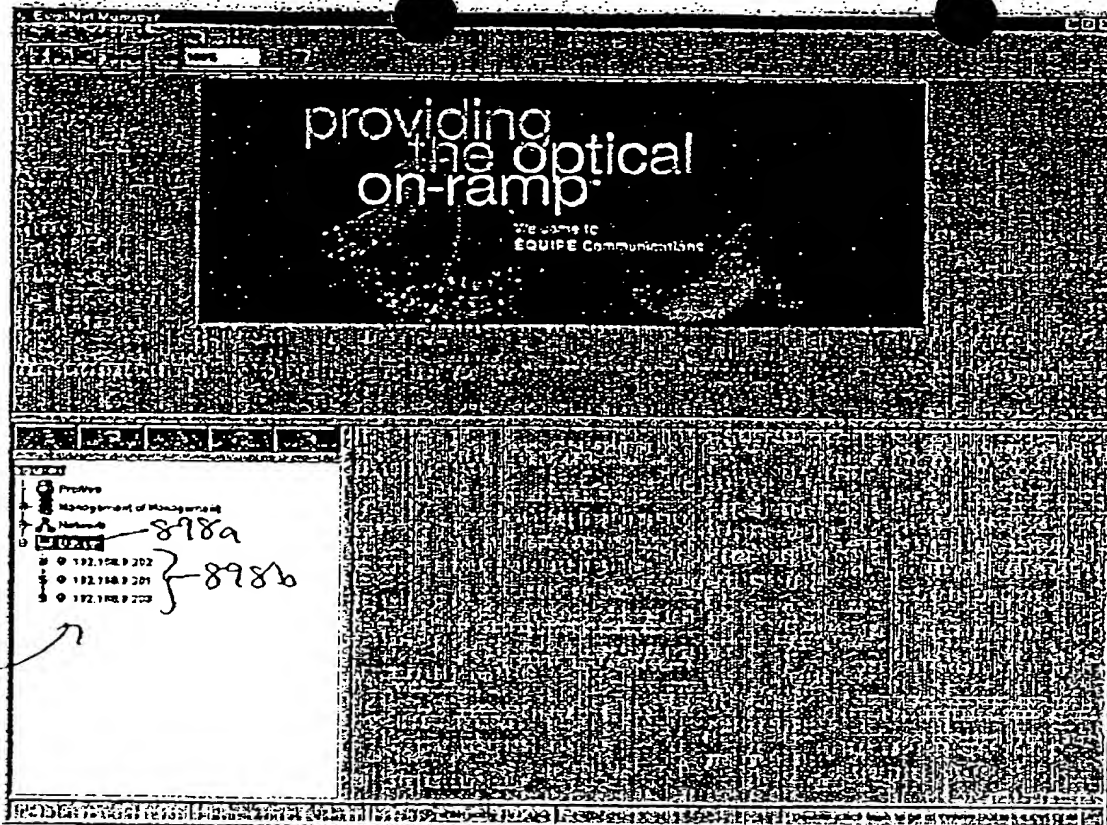


Fig. 4e

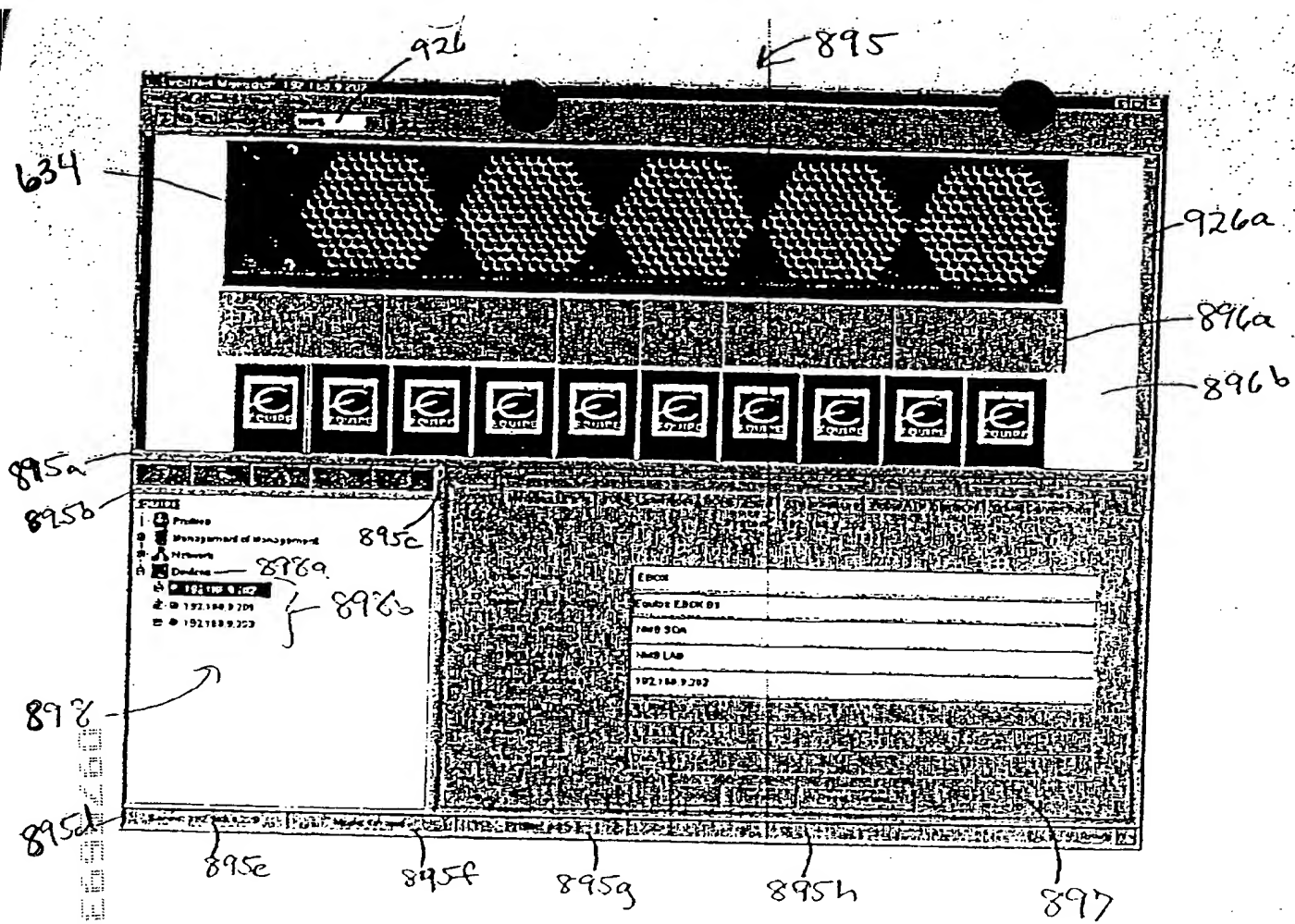


Fig. 4f

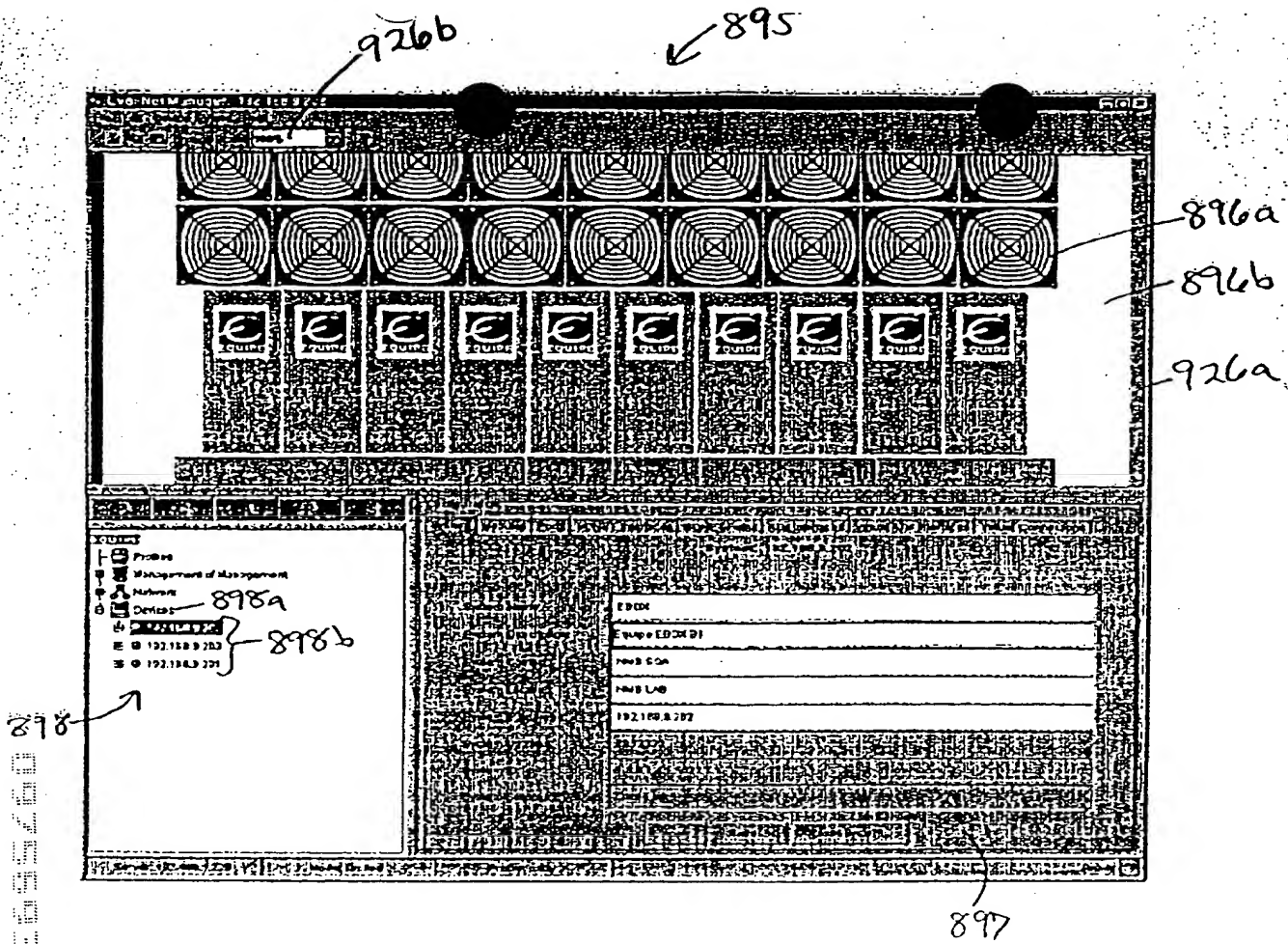
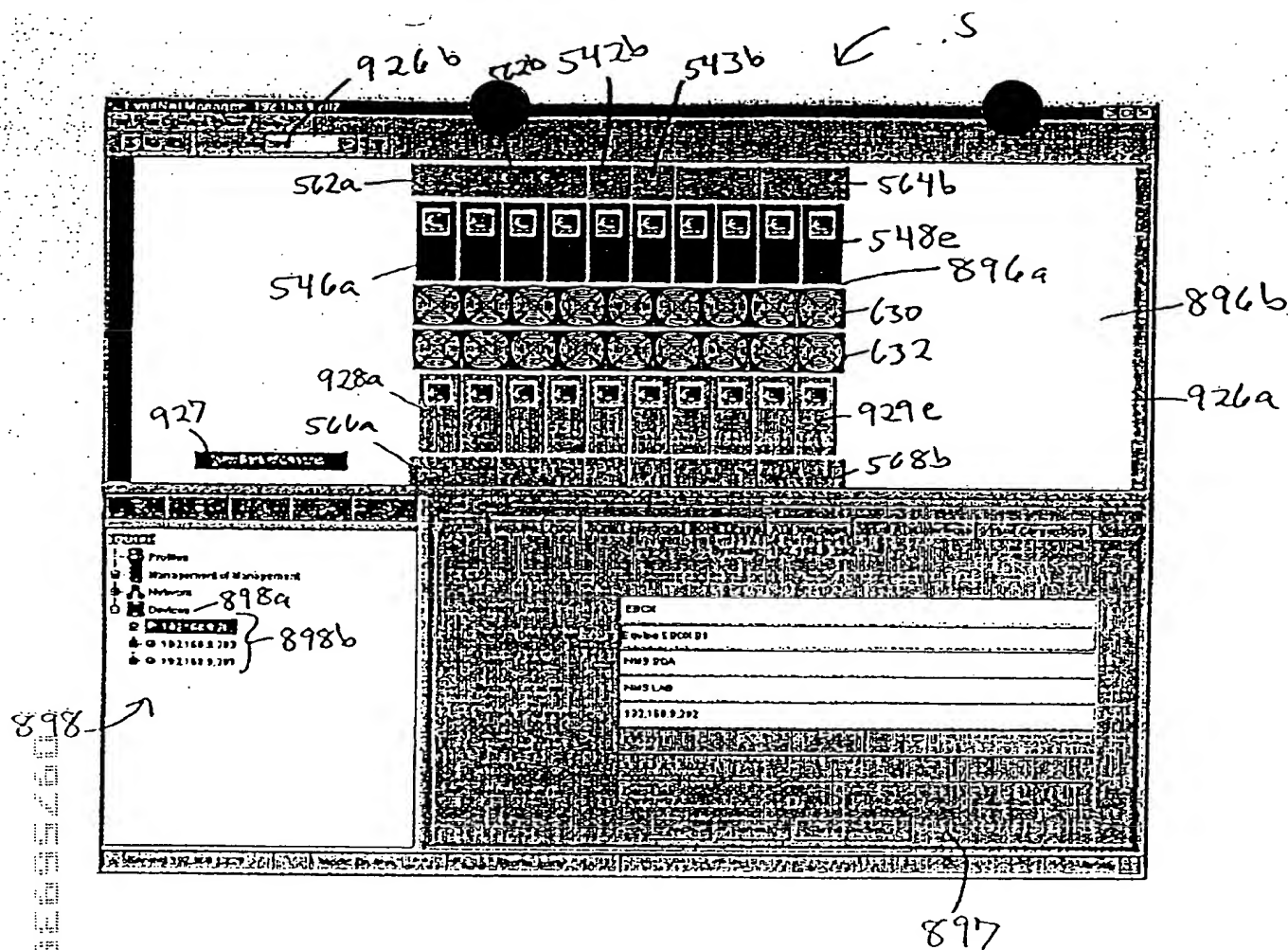


Fig. 4g



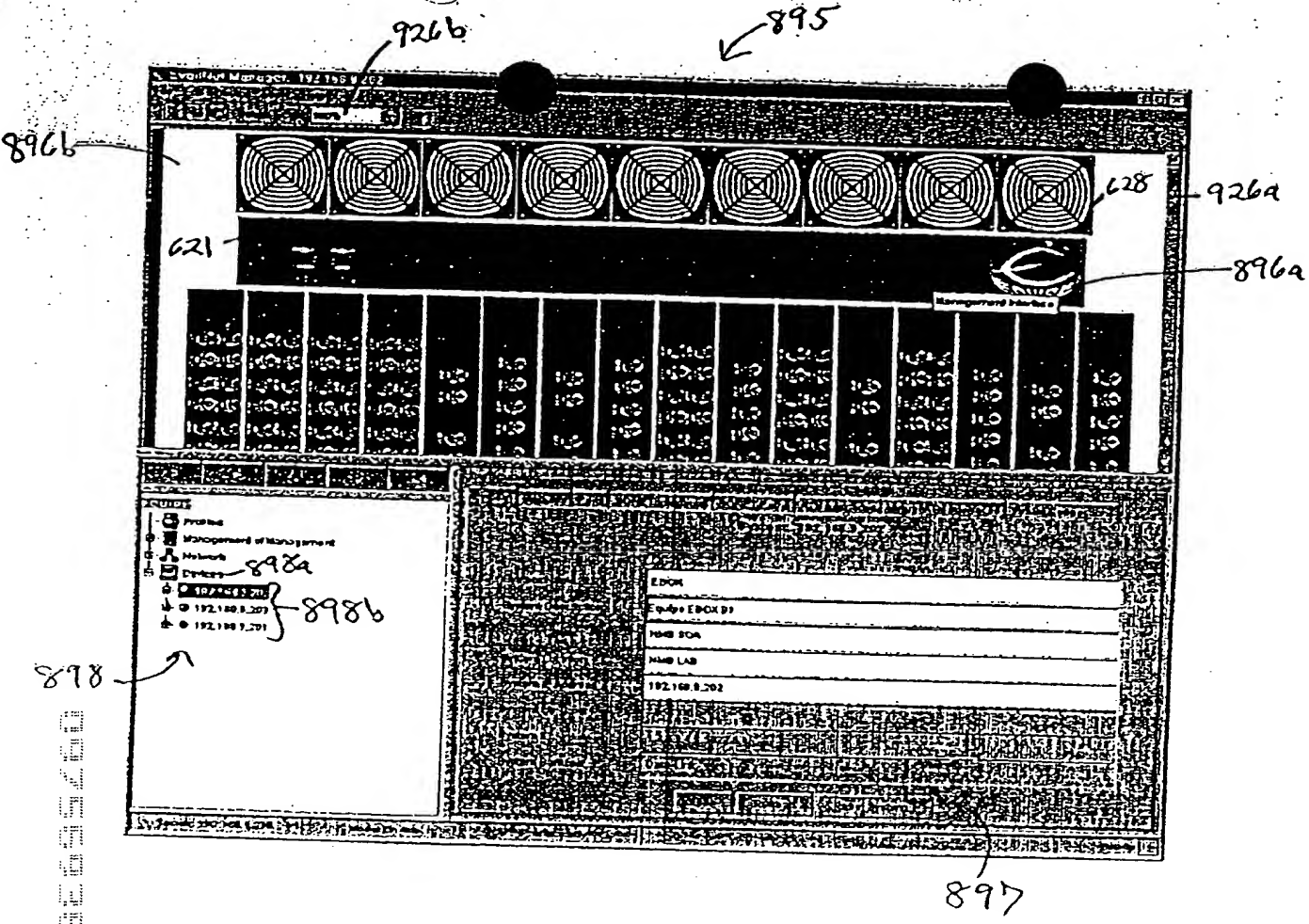


Fig. 4i

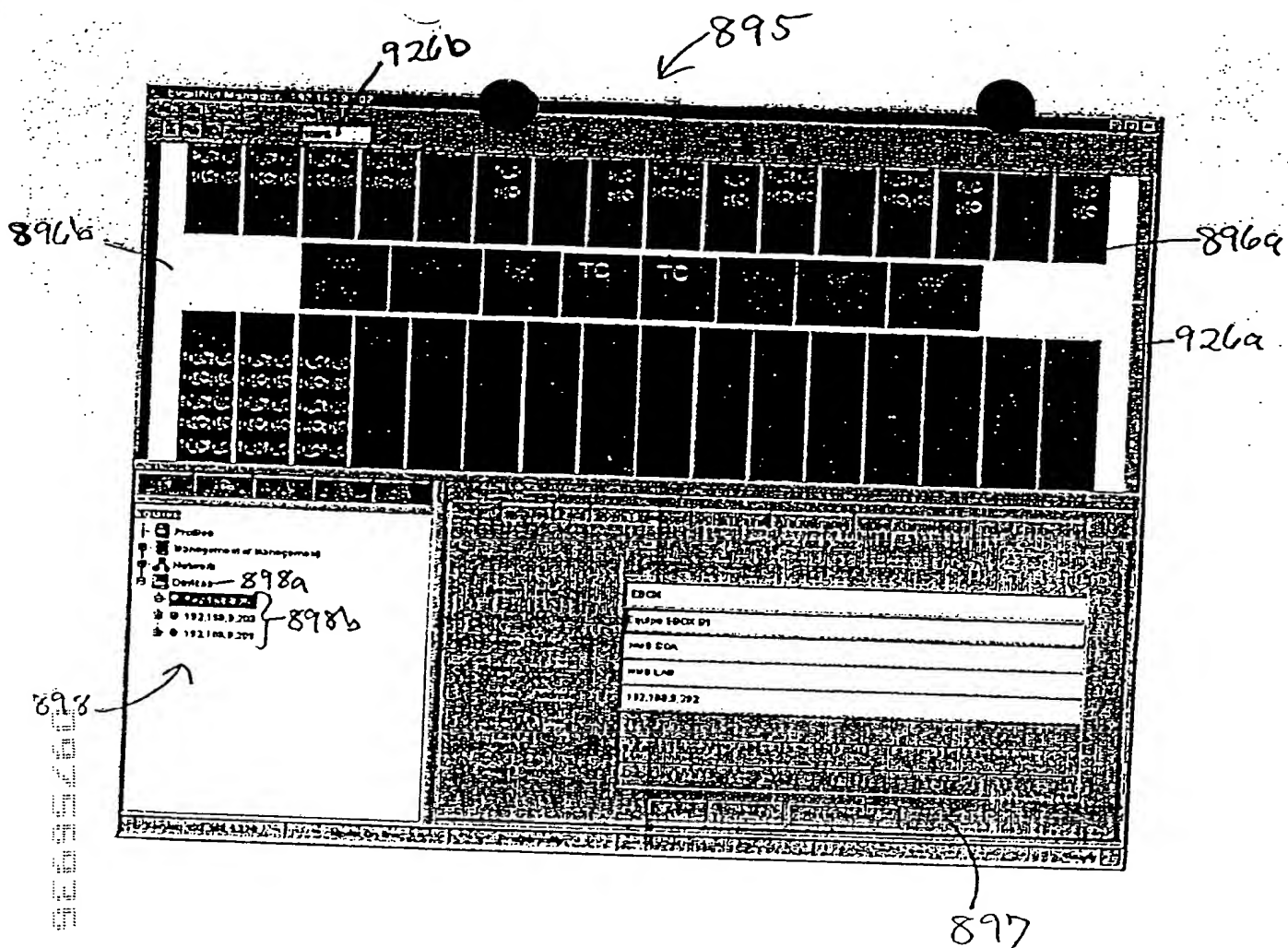


Fig. 4j

895

926b

896b

896a

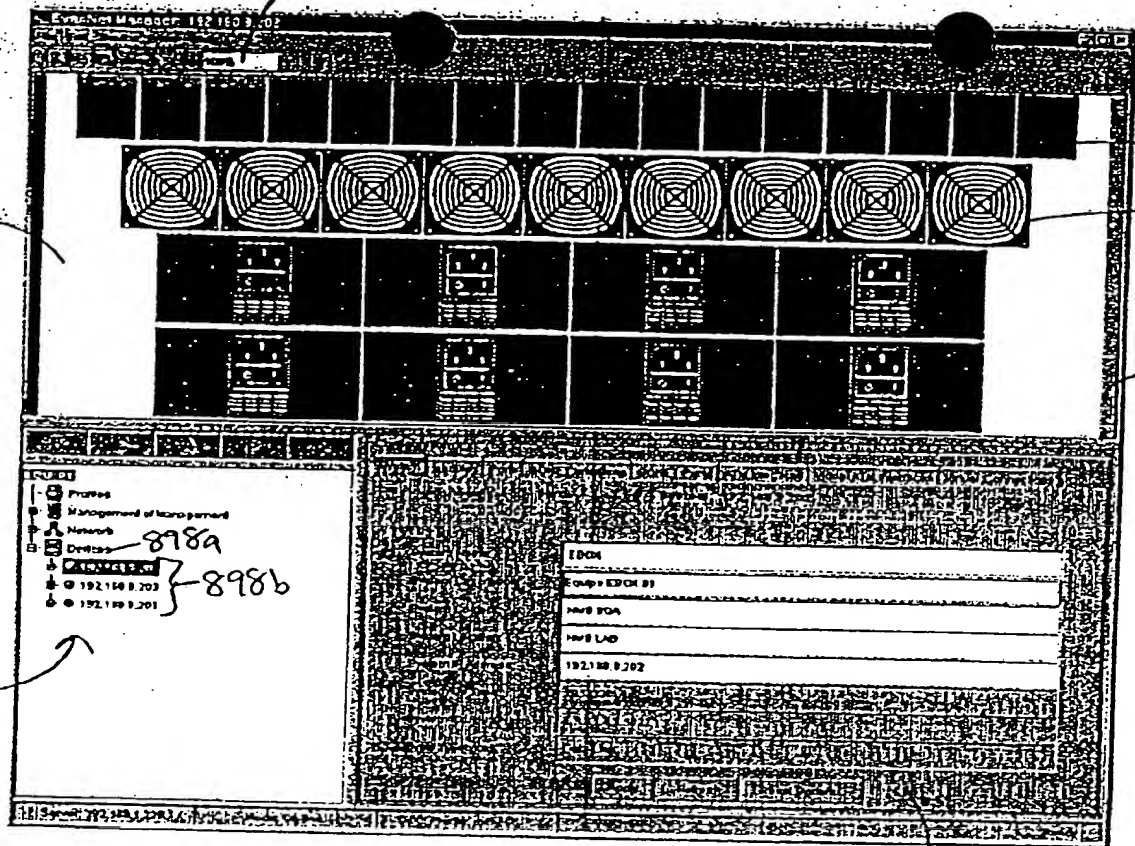
626

926a

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Fig. 4K



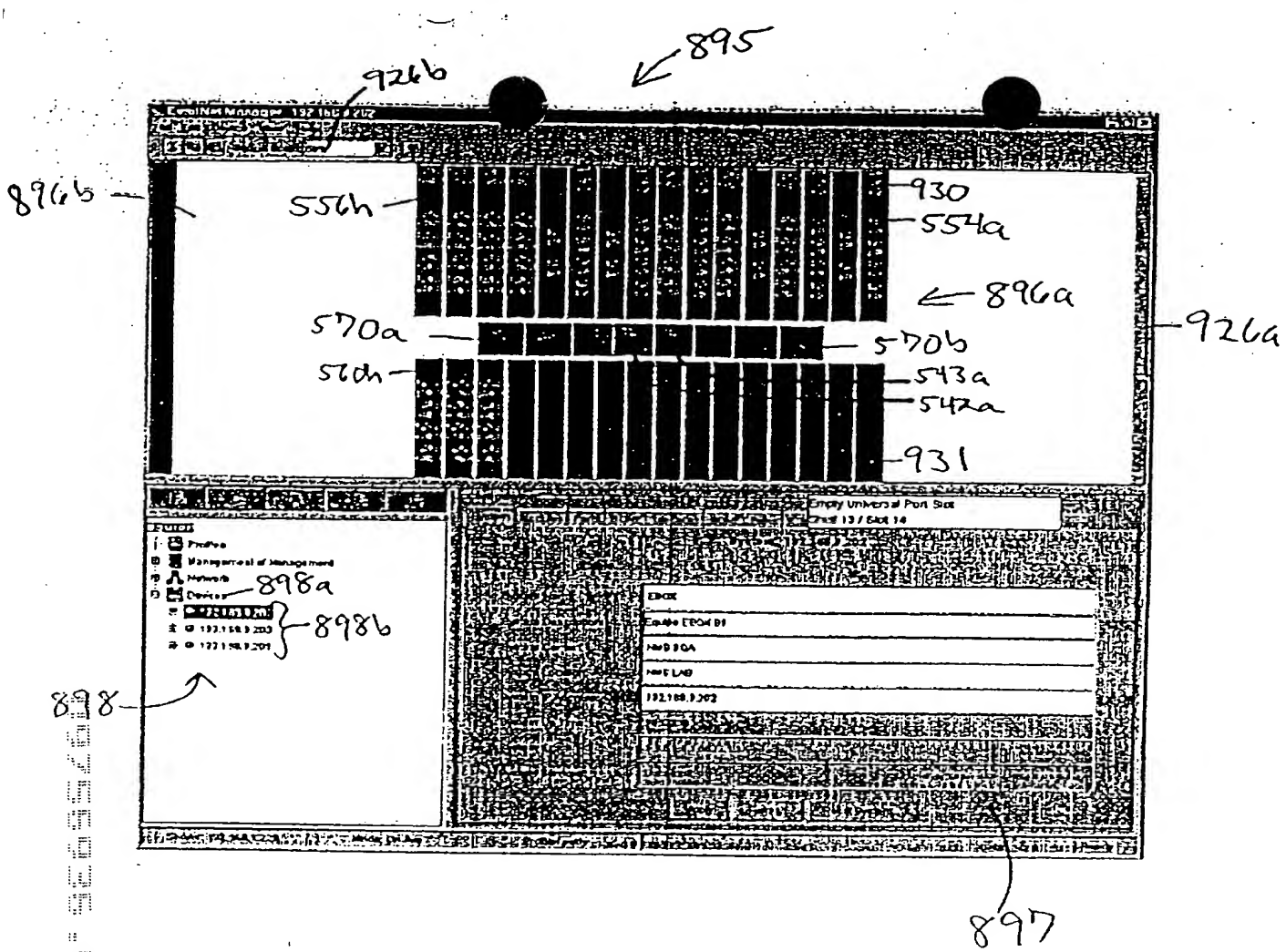


Fig. 4L

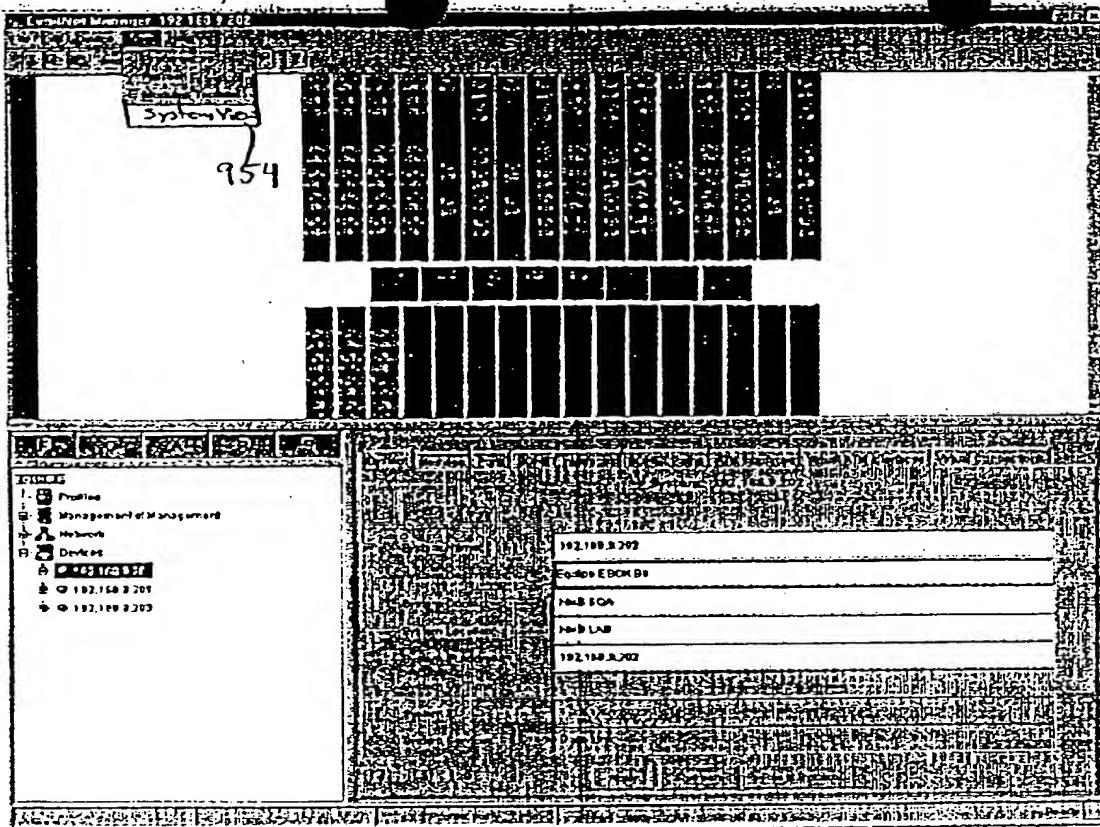
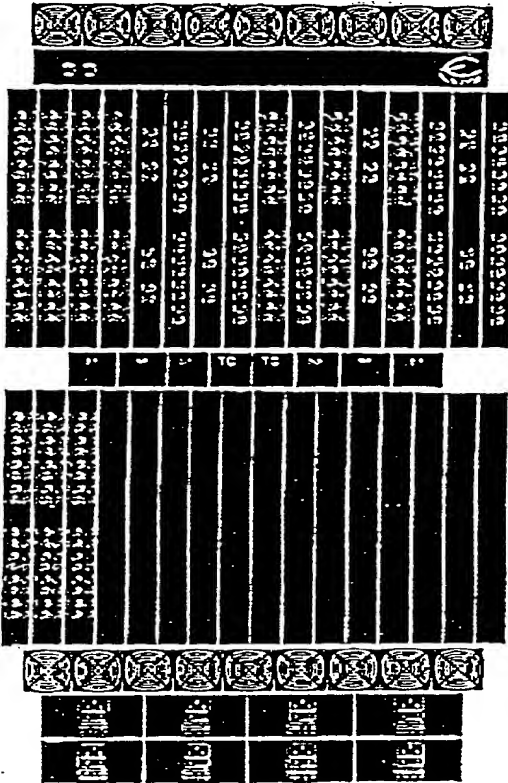
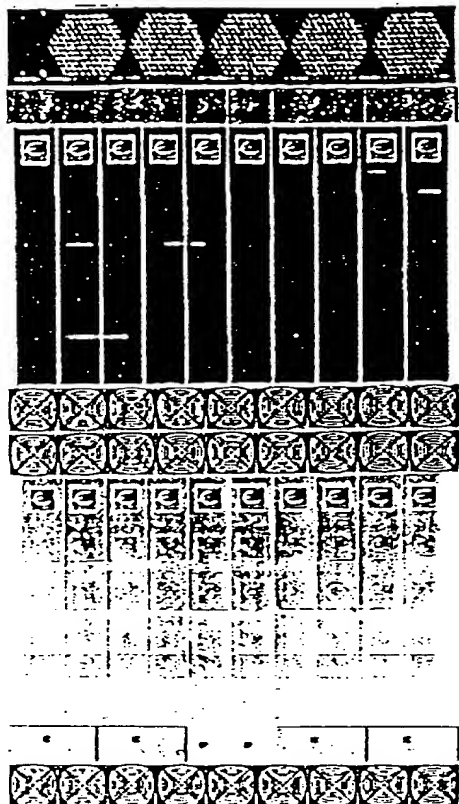


Fig. 4m

955



955a

955b

Fig. 4n

0075936-040904

00756936 040000

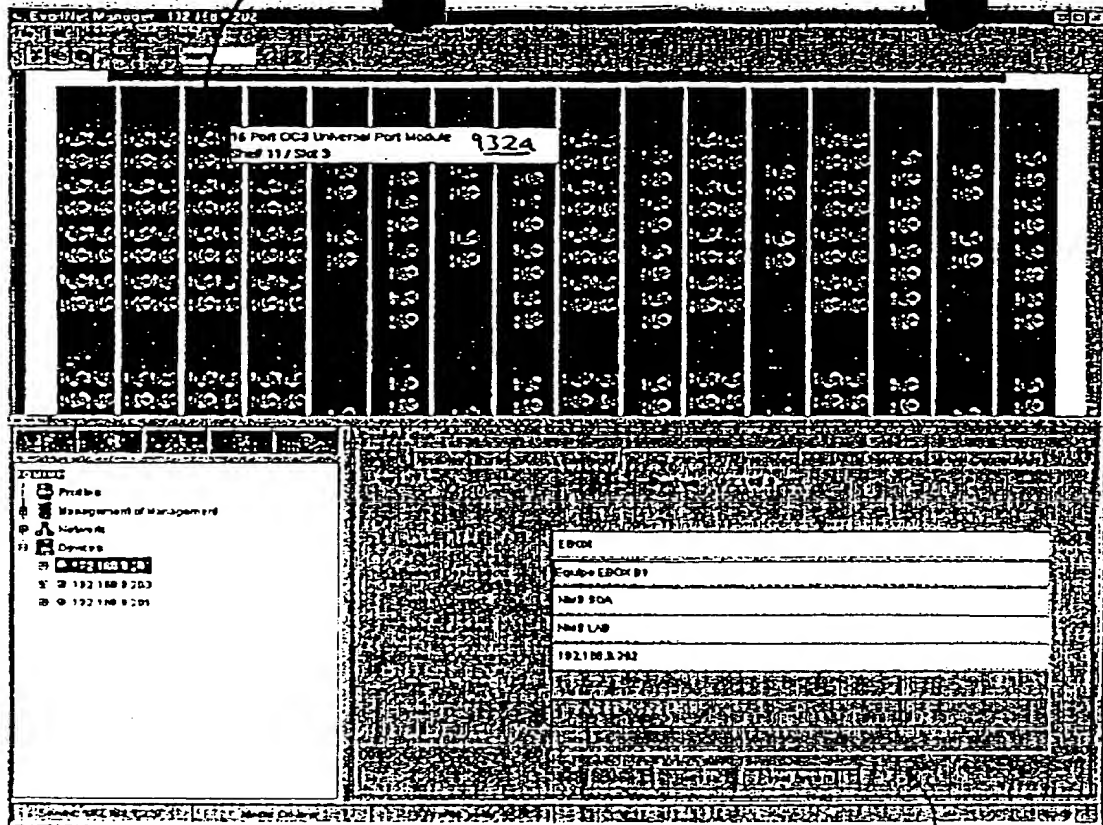


Fig. 40

20250925-040004

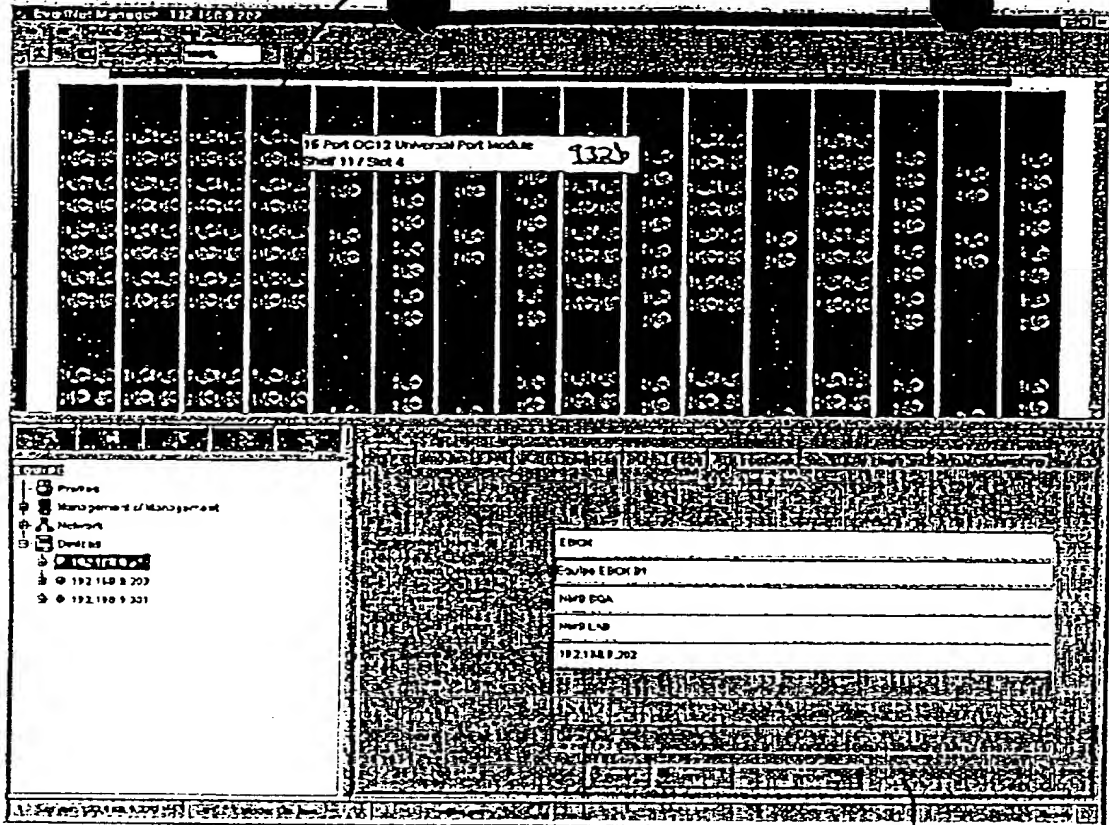
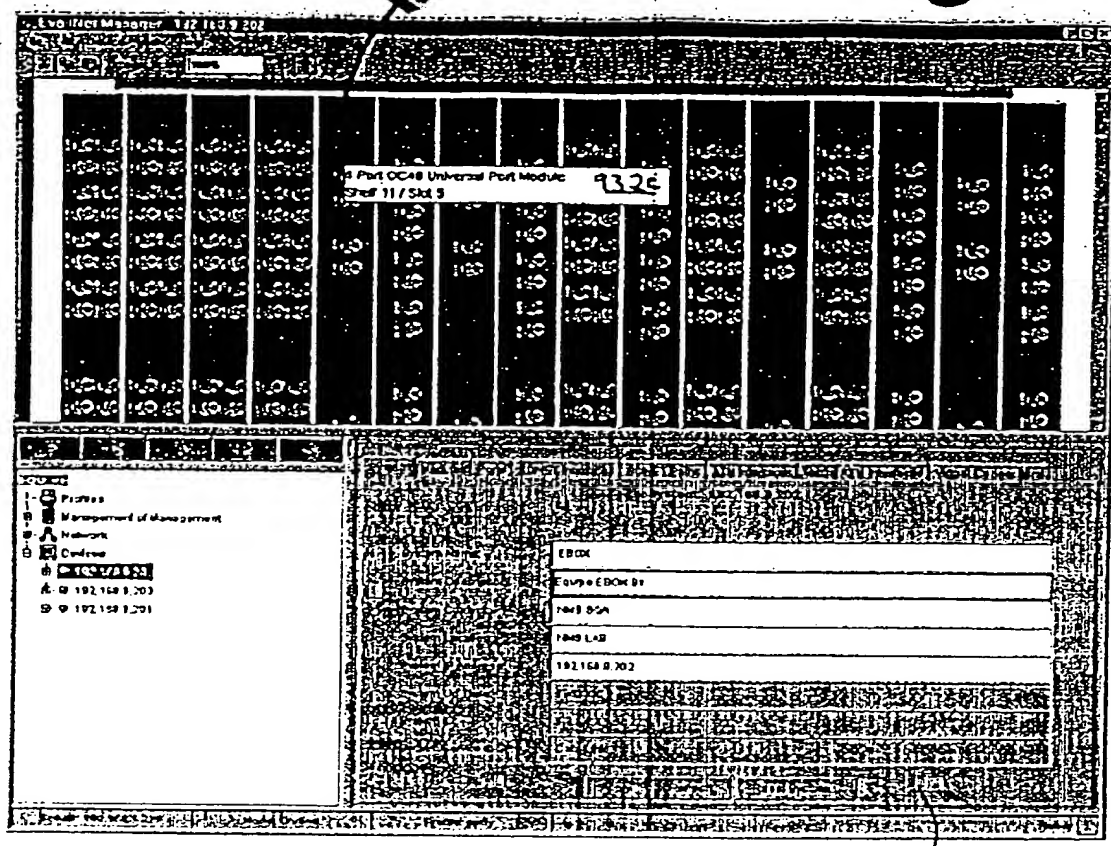


Fig. 4p

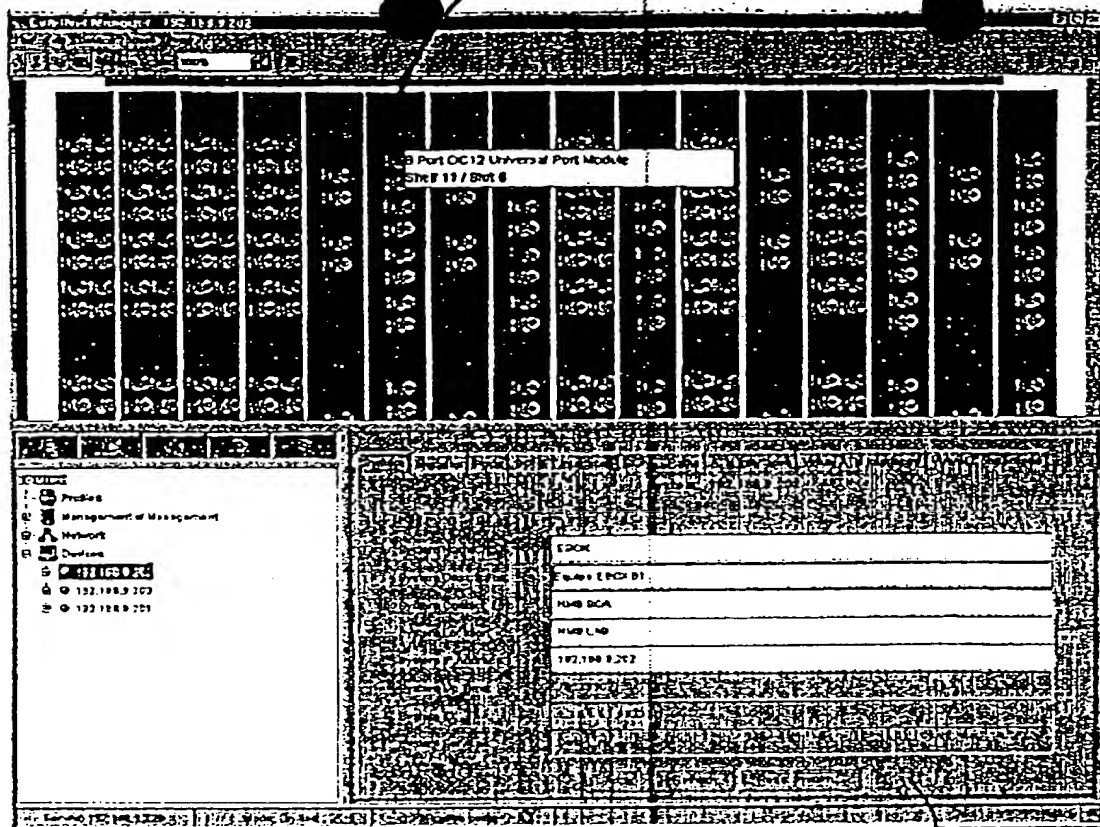
00756036 040004



897

Fig. 48

0035035 040001



897

Fig. 4r

Page 11 (Std 41) P. 11

Profile
Management of Management
Markets
Dynamics
AJ 100 8 20
192.168.8.20
192.168.8.20

934a
934b
934c
934d
934e
934f
934g
934h

EPIC	
EPIC EPIC 01	
EPIC 01	
EPIC 01	
192.168.8.20	

935a 935c 935b 897

Fig. 4s

5560

895

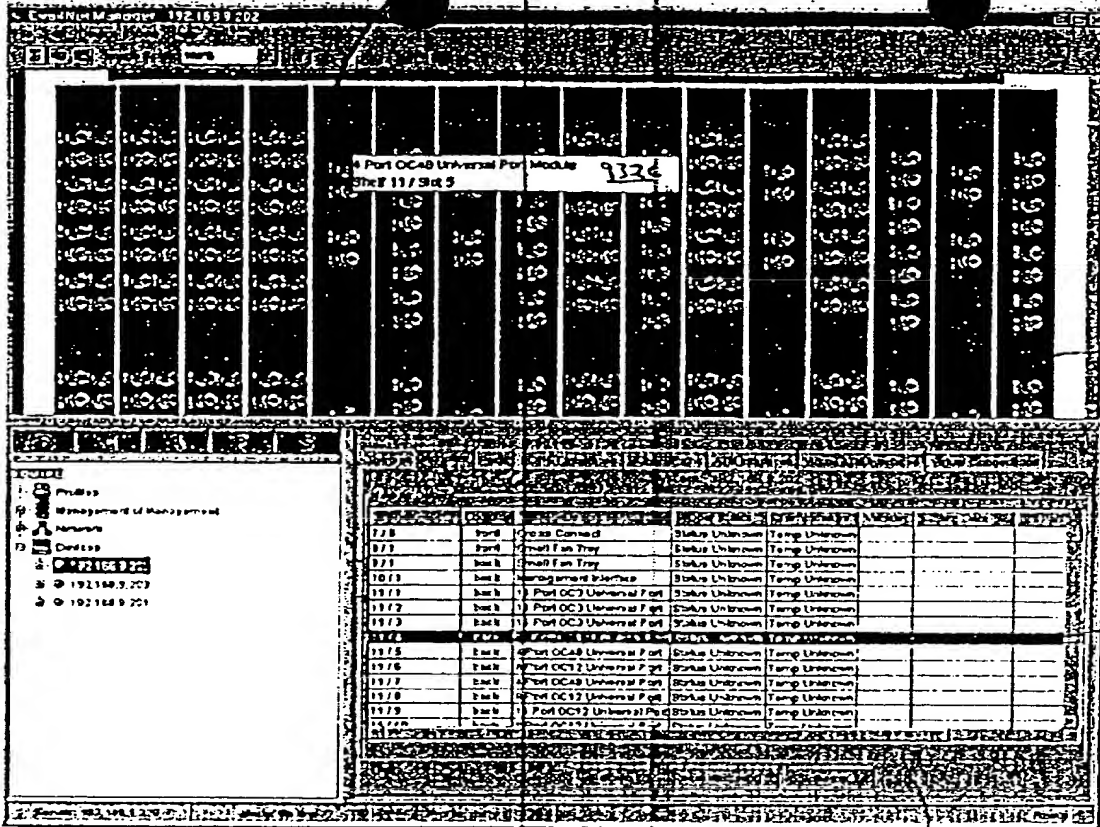
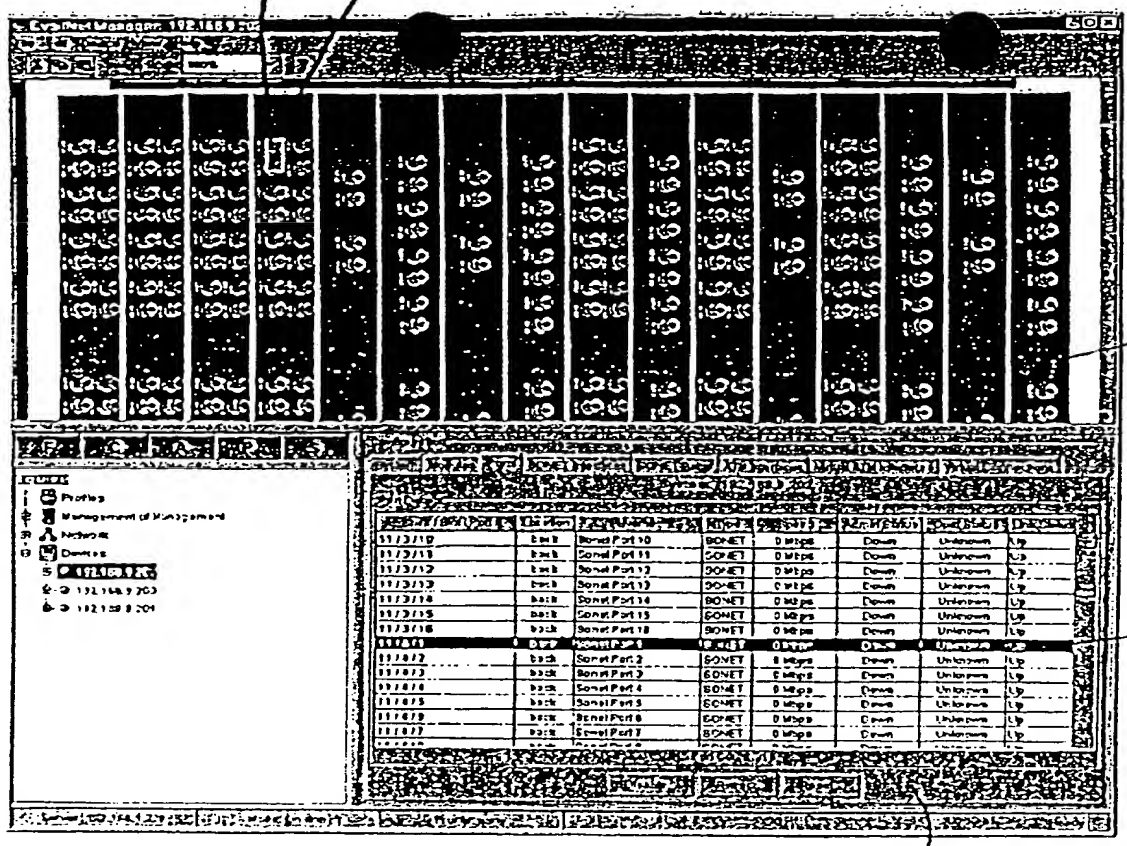


Fig. 4+

00756936 040004

839- 6e

895



896a

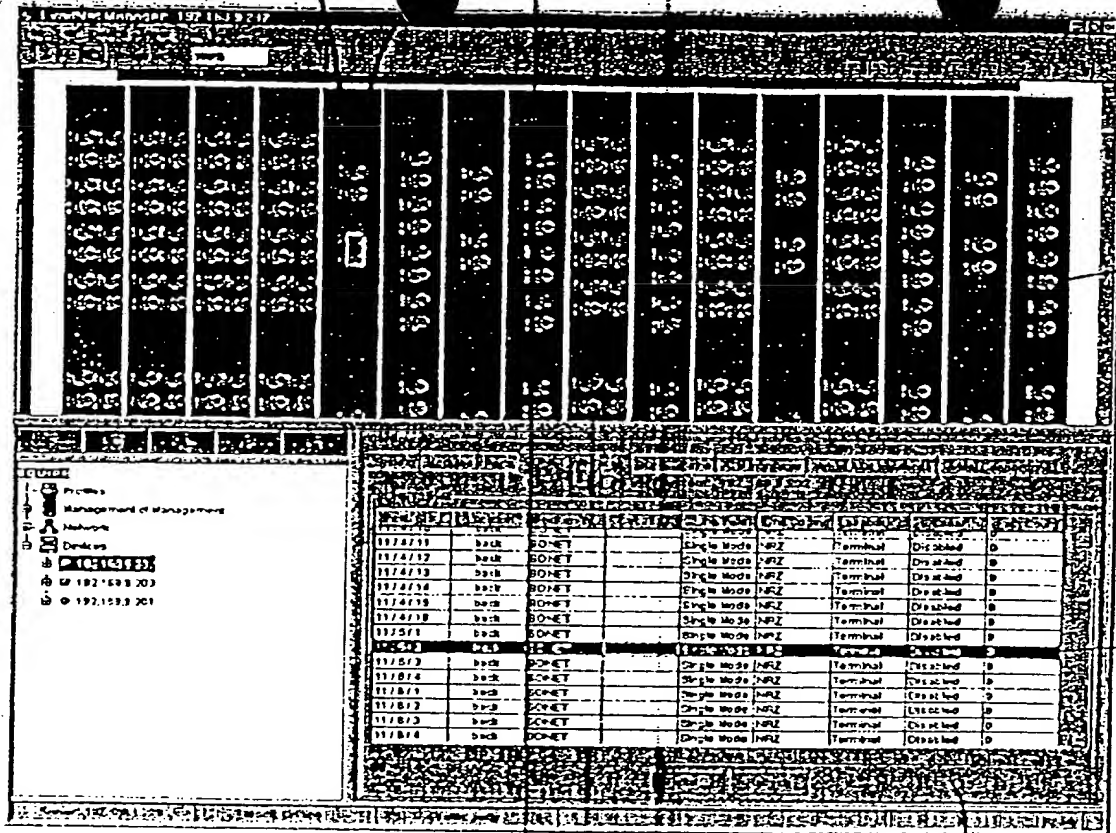
939b

897

Fig. 4u

556d 841a

895



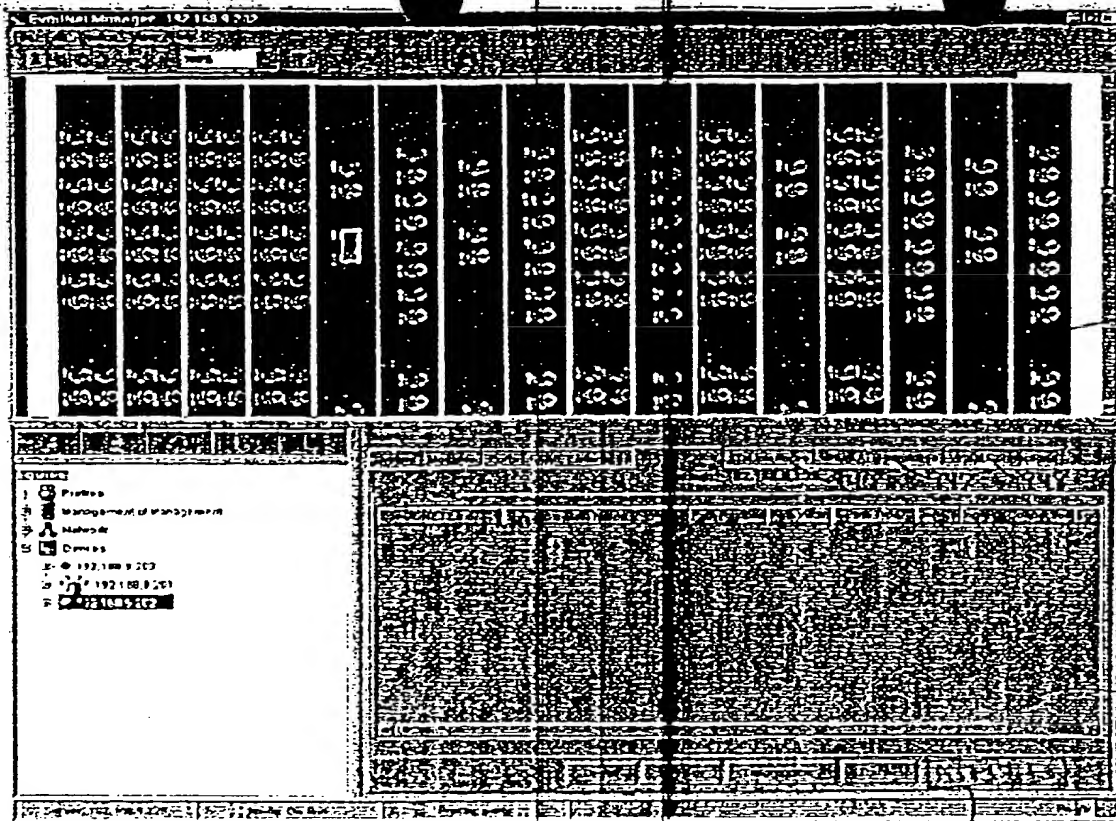
896a

941b

897

Fig. 4v

875



896a

897

942c

Fig. 4w

00755936-010004

q588
q58c

q58

q58a

895

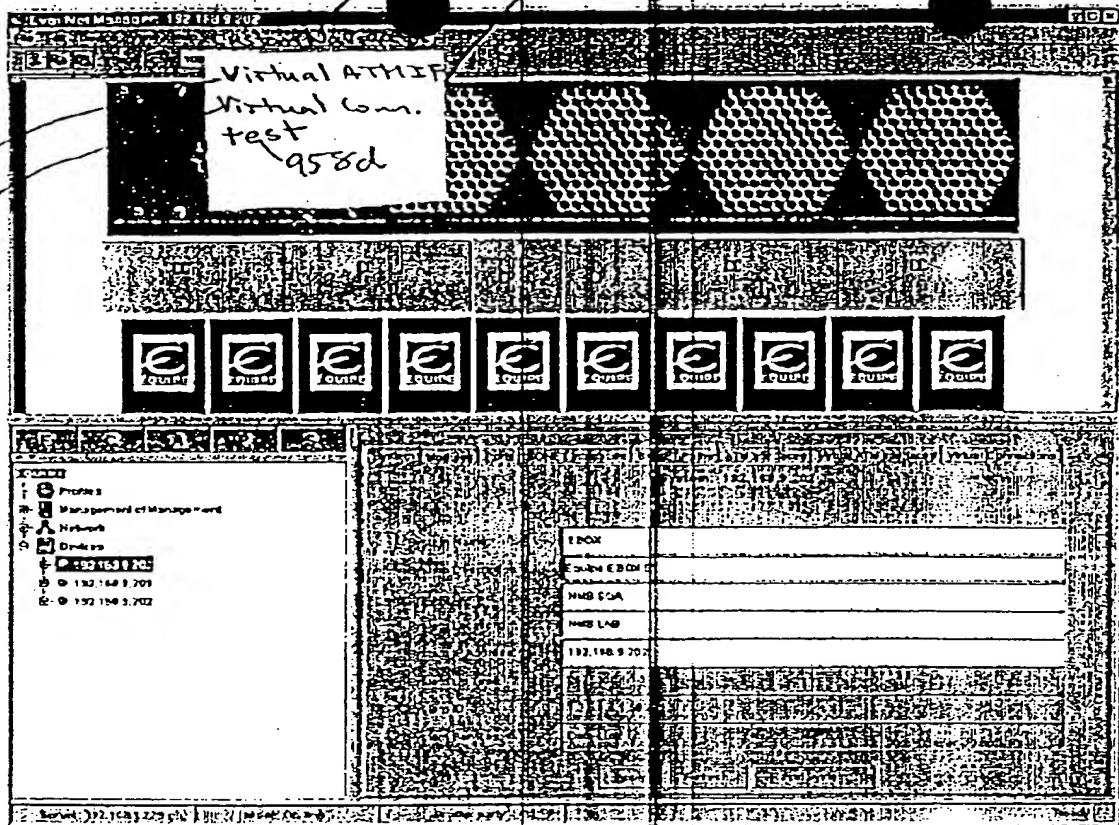


Fig. 4x

896a

895

960

960a

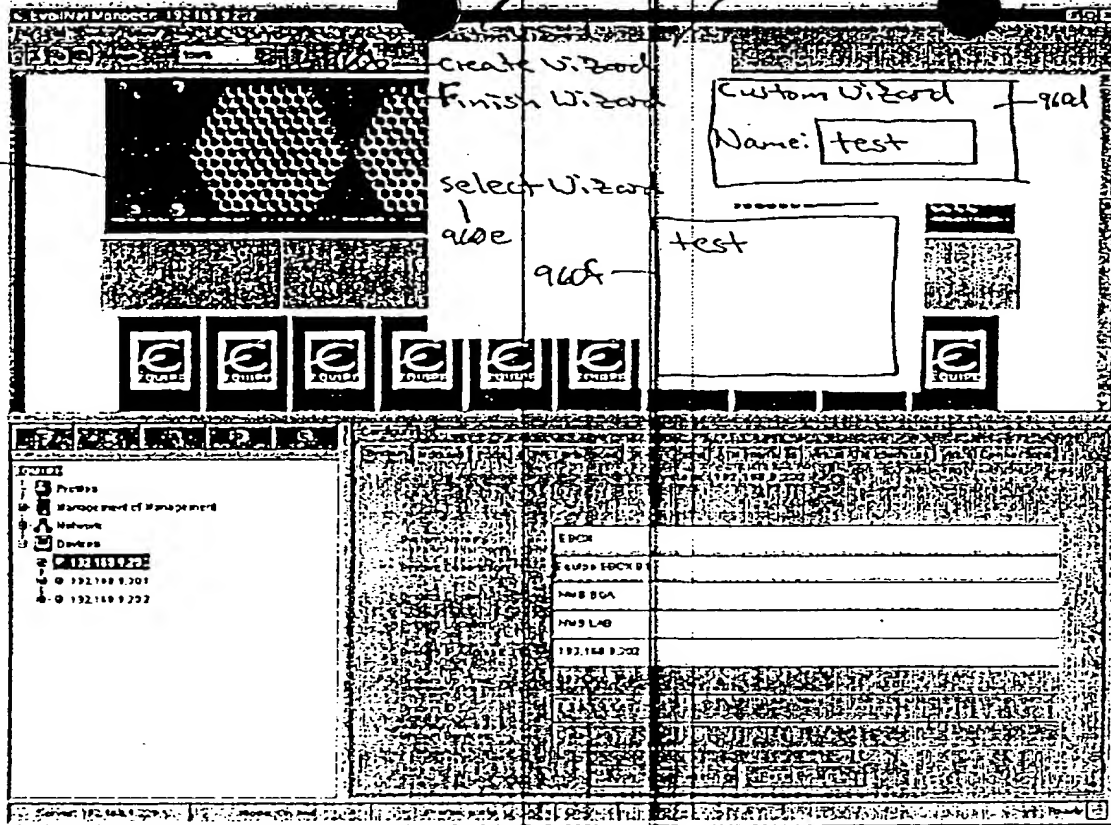
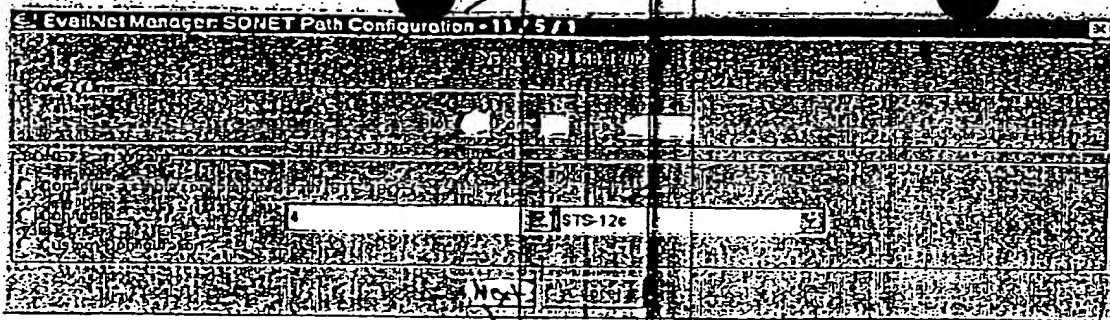


Fig. 4y

106010-9265260



961b

Fig. 42

00765936 0409001

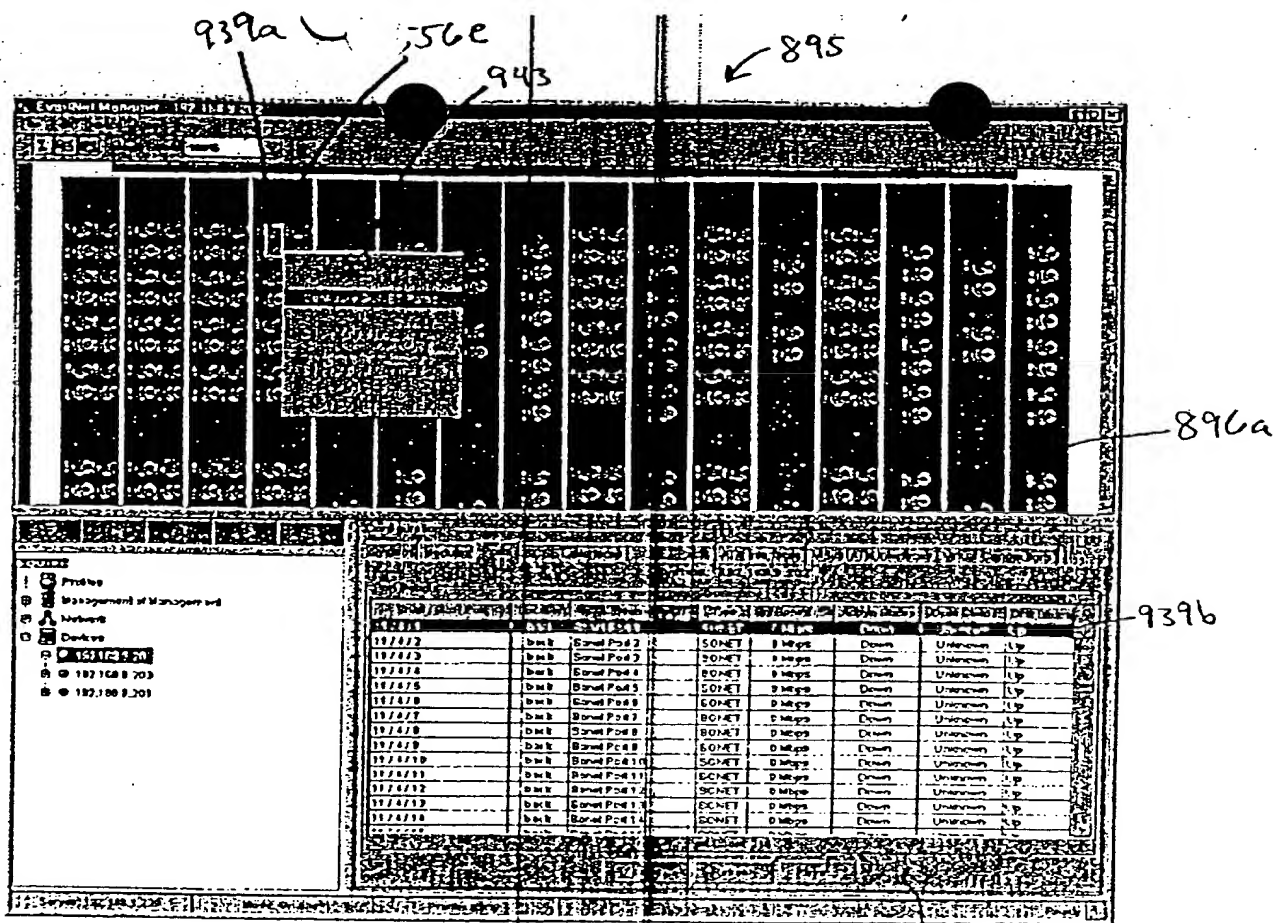


Fig. 5a

Fig. 5b

944

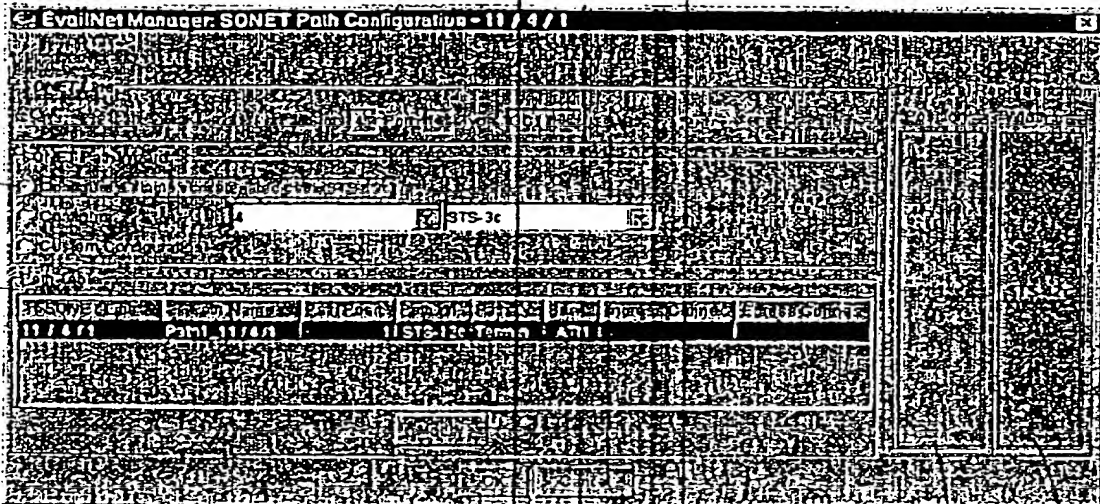
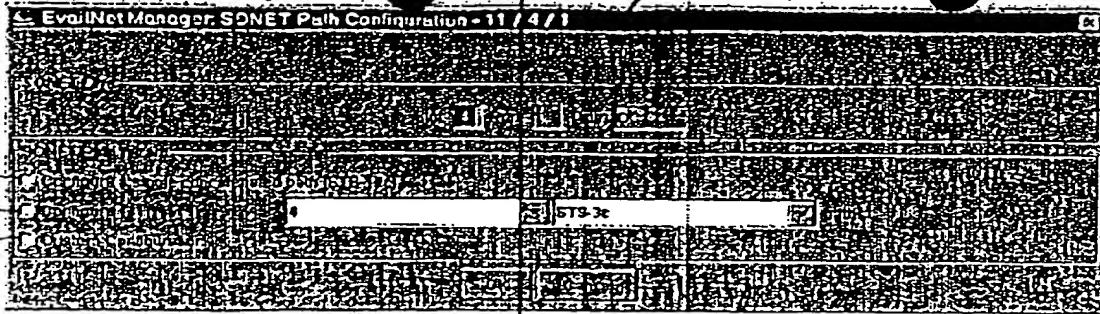
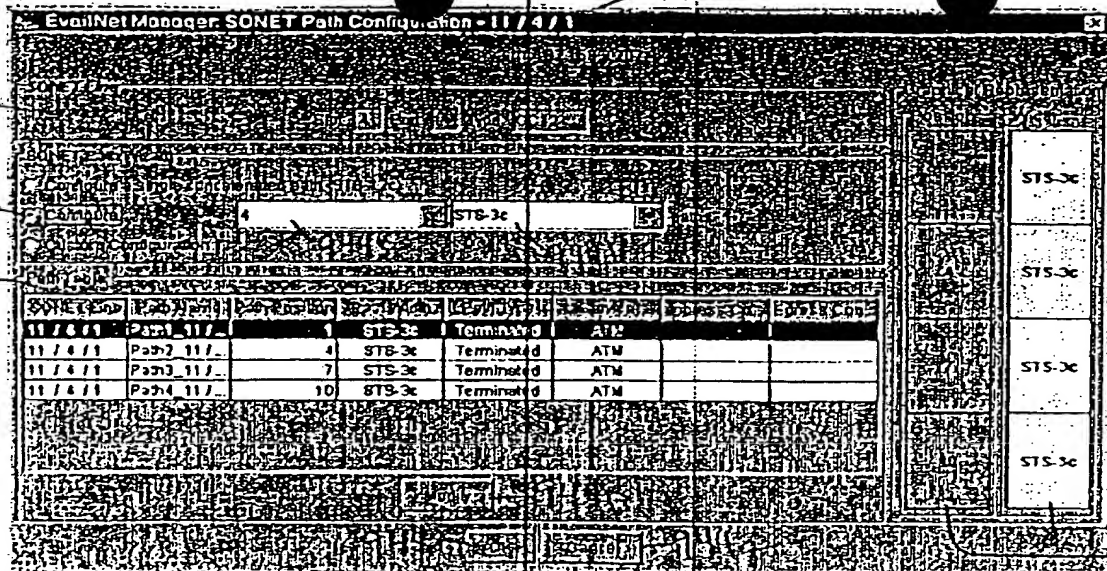


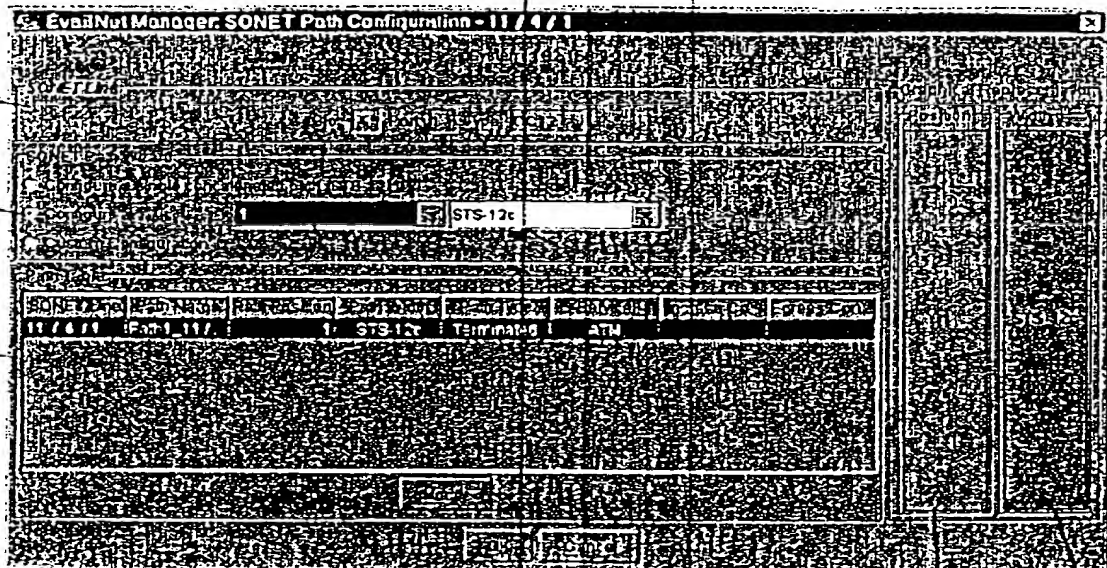
Fig. 5c

Fig. 5d

944



944f
944e



944

944e 944f

Fig. 5e

Fig. 5f

944a

944b

944c

944g

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

STS-12c

STS-3c

944i

STS-3c - 944L
STS-3c - 944m
STS-3
STB-3

944j

SONET Shelf	Path Name	Path Length	Path Type	Path Status	Path Type	Path Type	Path Type	Path Type
11 / 4 / 1	Path1_11 /	1	STS-3c	Terminated	ATM			
11 / 4 / 1	Path2_11 /	4	STS-3c	Terminated	ATM			
11 / 4 / 1	Path3_11 /	7	Terminated	ATM				

STS-3c

944f

944e

945a

945g

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

STS-12c

SONET Shelf	Path Name	Path Length	Path Type	Path Status	Path Type	Path Type	Path Type	Path Type
Shelf 11/5L	Path1_11 /	1	3	2	1			
Shelf 11/5L	Path2_11 /	4	3	2	1			

STS-3c

945e

945f

945

Fig. 5g

895

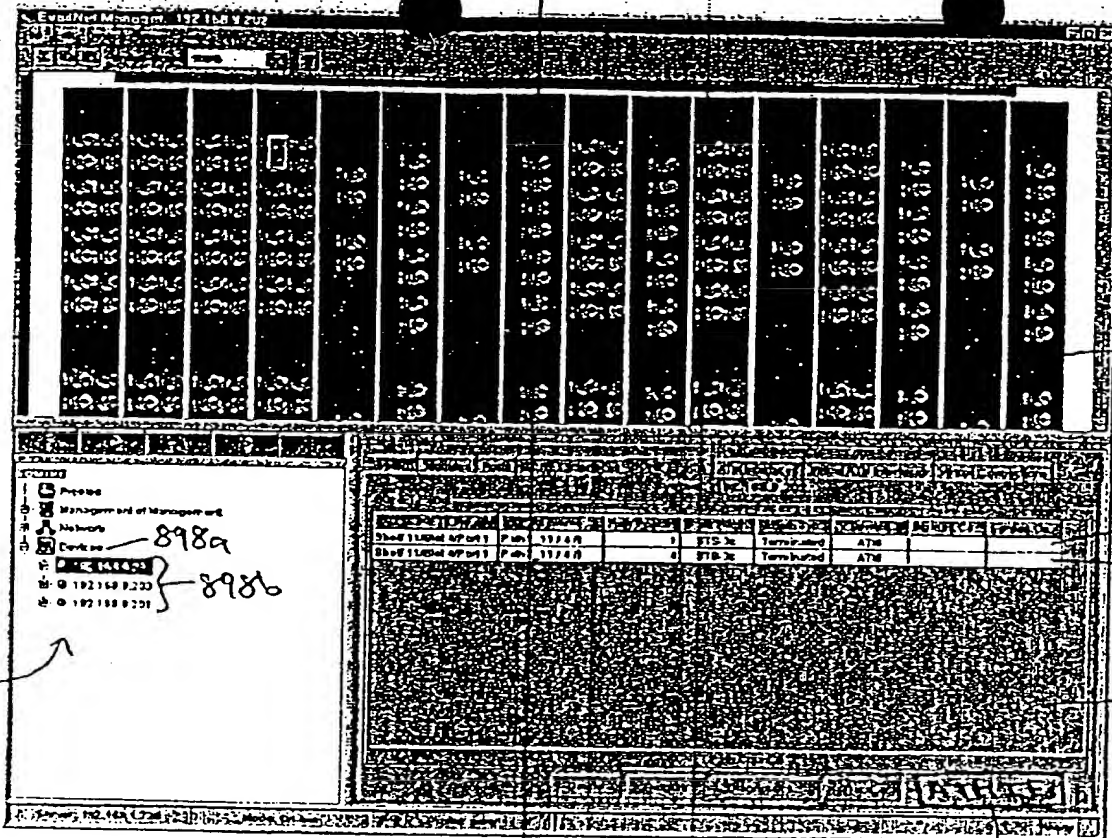
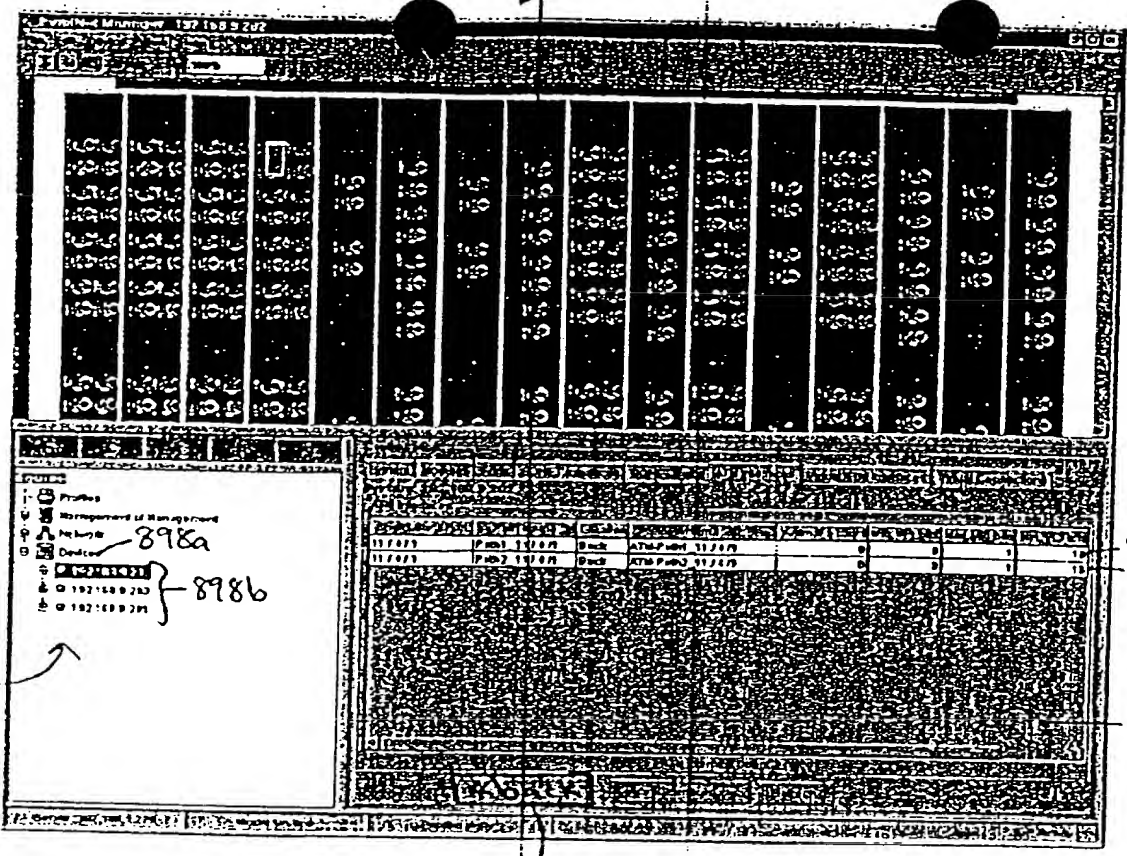


Fig. 5h

895



946a
946b

897

946h

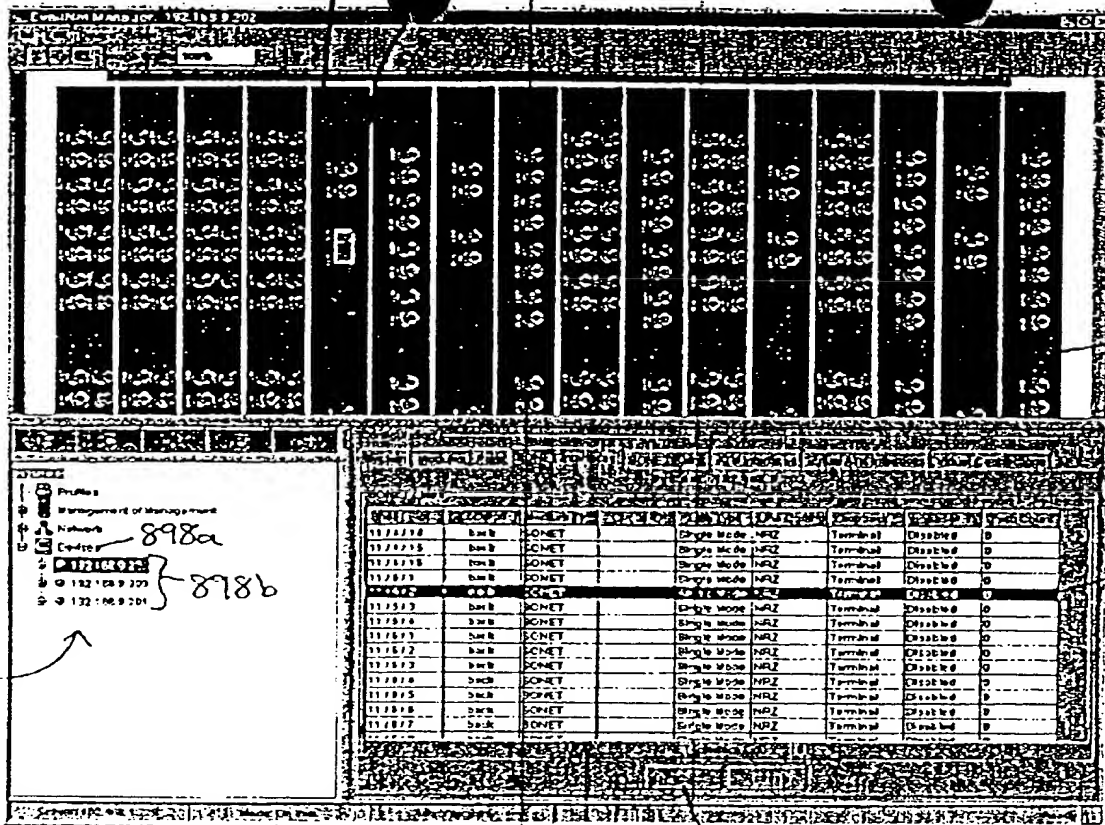
Fig. 5i

892

Fig. 5j

556d-341a

895

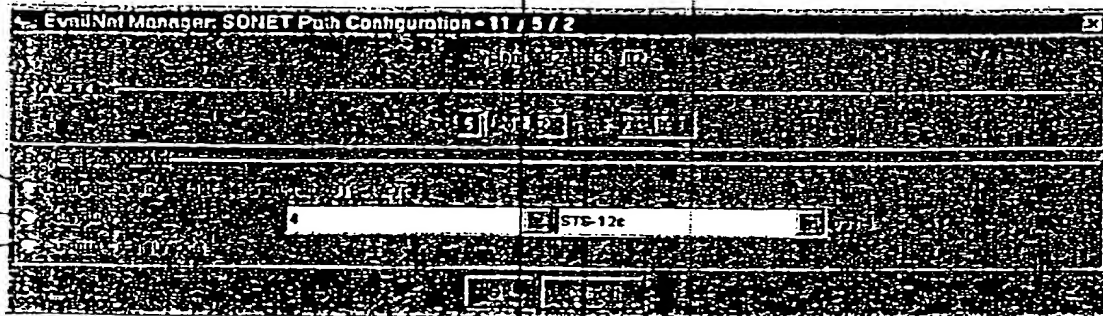


896a

949a

940a

Fig. 5K



944a

944

944b
944c
944d

Fig. 5L

944

944a

944b

944c

944d

944g



944f

944e

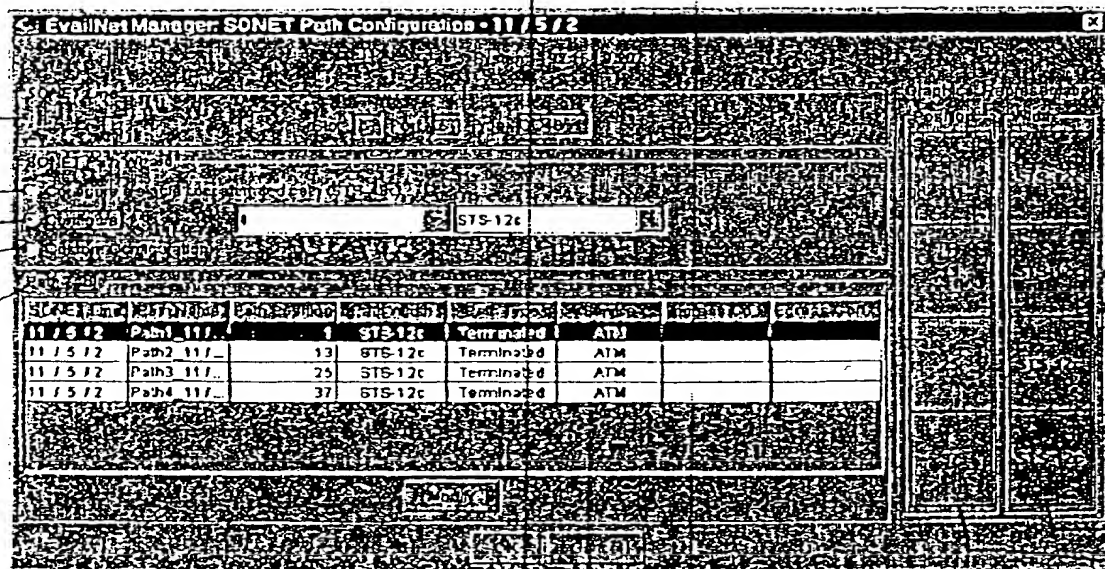
944a

944b

944c

944d

944g



944f

944e

944

Fig. 5m

Fig. 5n

944

944a
944b
944c
944d
944g

EvaulNet Manager: SONEt Path Configuration - 11/5/2

10 STB-48c

11/5/2 Path: 11/1 1: STB-48c Terminals ATM

944f
944e

944a
944b
944c
944d
944g

EvaulNet Manager: SONEt Path Configuration - 11/5/2

10 STB-3c

Path ID	Path Name	Path ID	Path Name	Path ID	Path Name	Path ID	Path Name	Path ID	Path Name
11/5/2	Path1 11/5/2	1	STB-3c	Termi	ATM				
11/5/2	Path2 11/5/2	4	STB-3c	Termi	ATM				
11/5/2	Path3 11/5/2	7	STB-3c	Termi	ATM				
11/5/2	Path4 11/5/2	10	STB-3c	Termi	ATM				
11/5/2	Path5 11/5/2	13	STB-3c	Termi	ATM				
11/5/2	Path6 11/5/2	16	STB-3c	Termi	ATM				
11/5/2	Path7 11/5/2	19	STB-3c	Termi	ATM				

11/5/2 Path: 11/5/2

944f
944e

944

Fig. 5o

944a

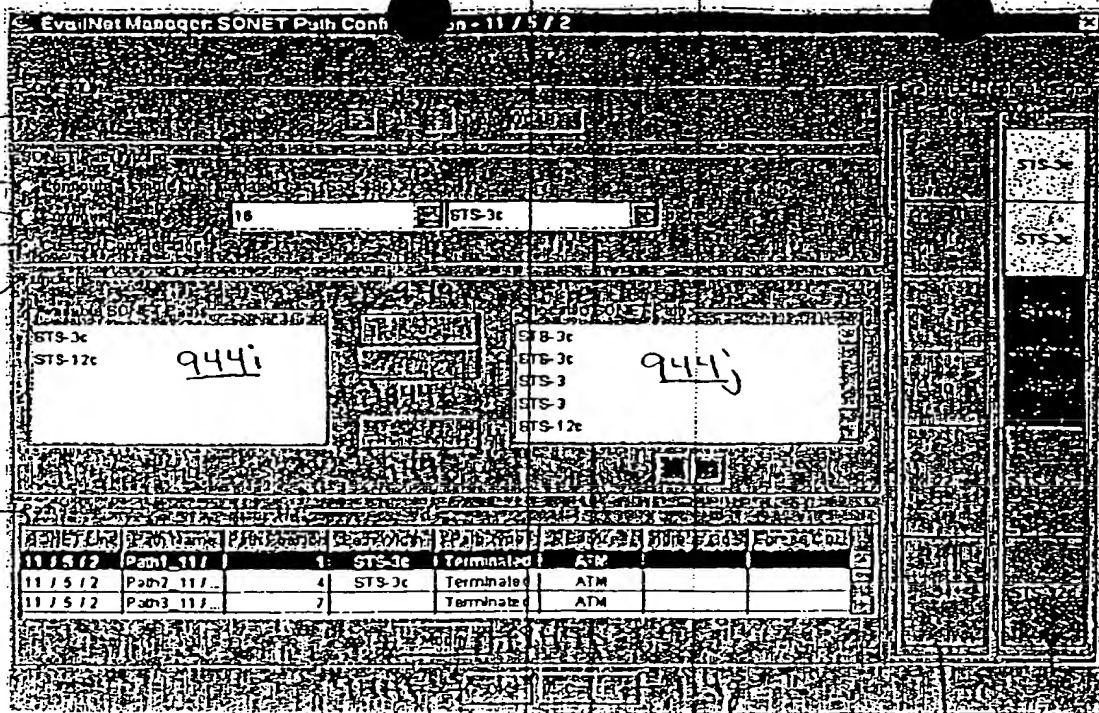
944b

944c

944d

944h

944g



944f

944

944e

Fig. 5p

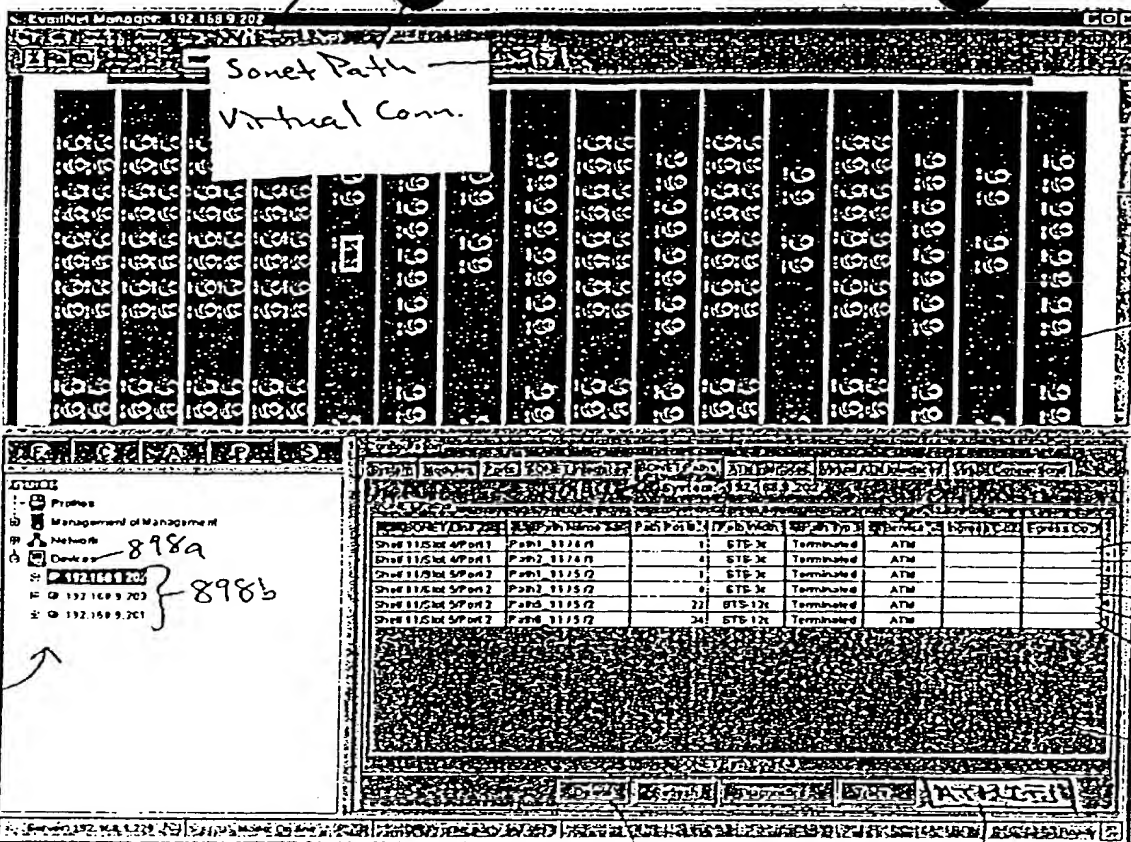
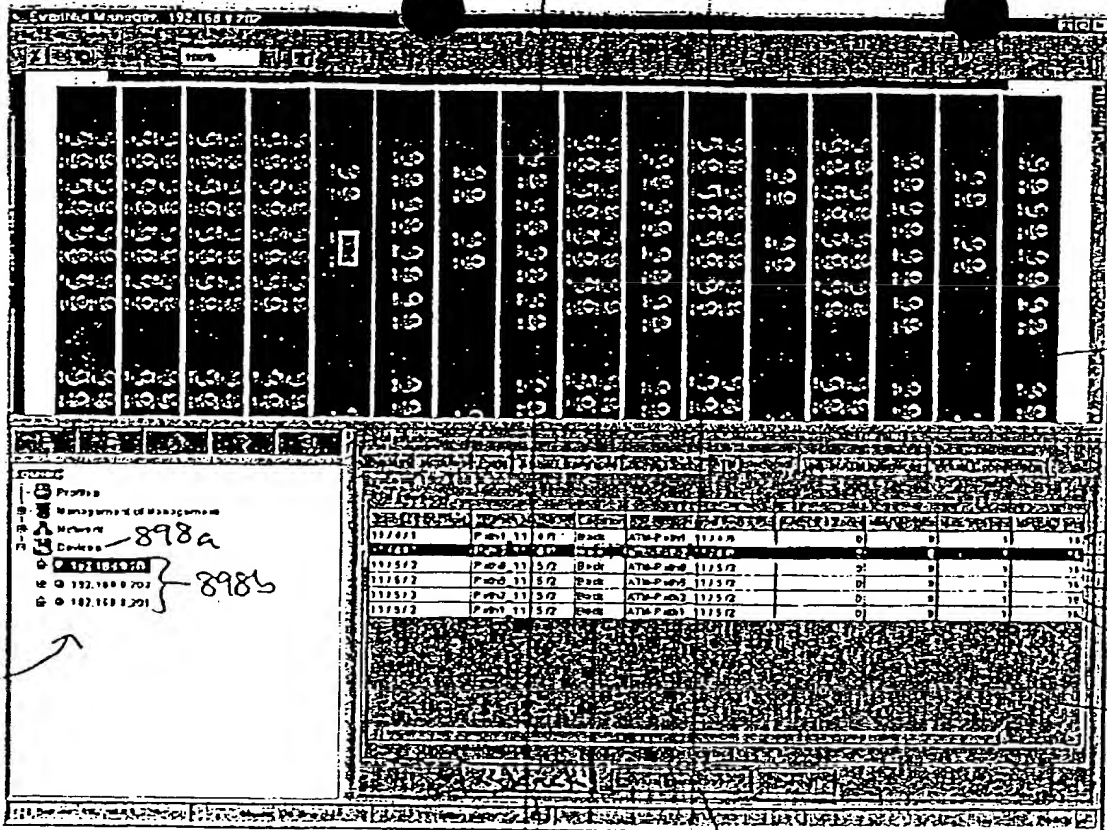


Fig. 5g

895



896a

946a

946b

946c

946d

946e

946f

897

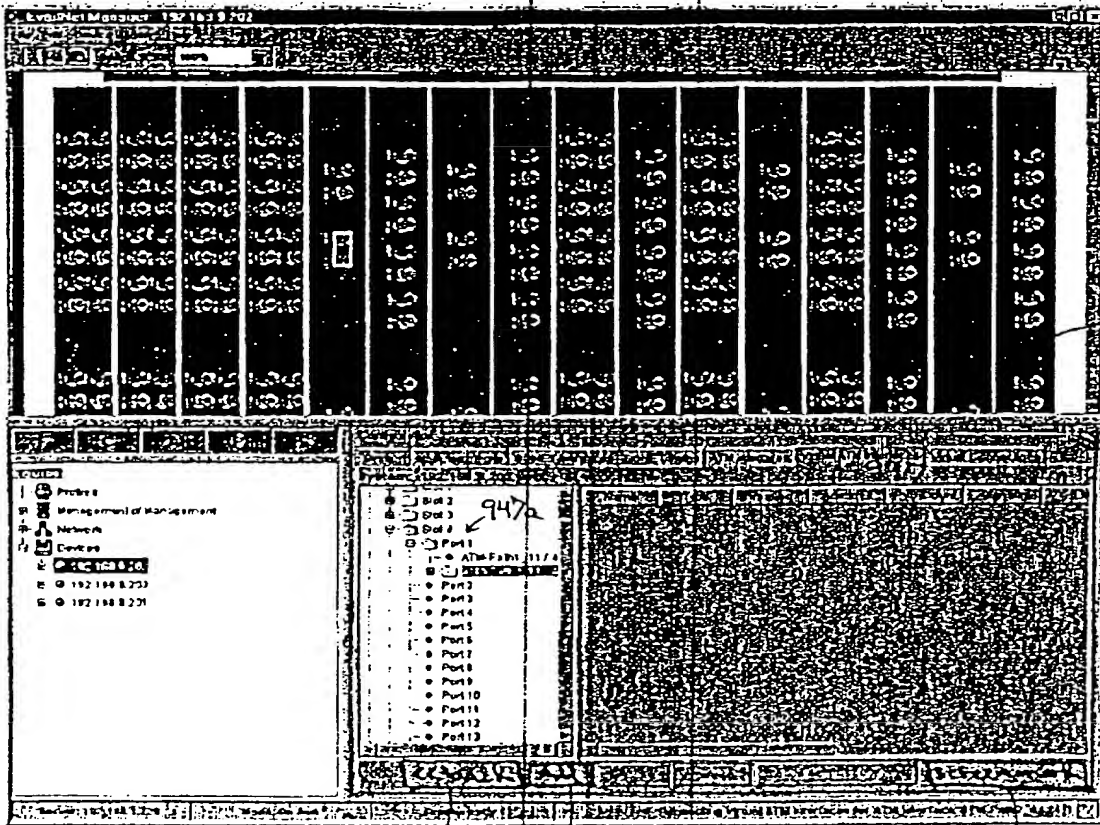
898

946h

946g

Fig. 5r

895



896a

9472

9476

959

Fig. 5s

00766936-010901

Fig. 5u

556d

895

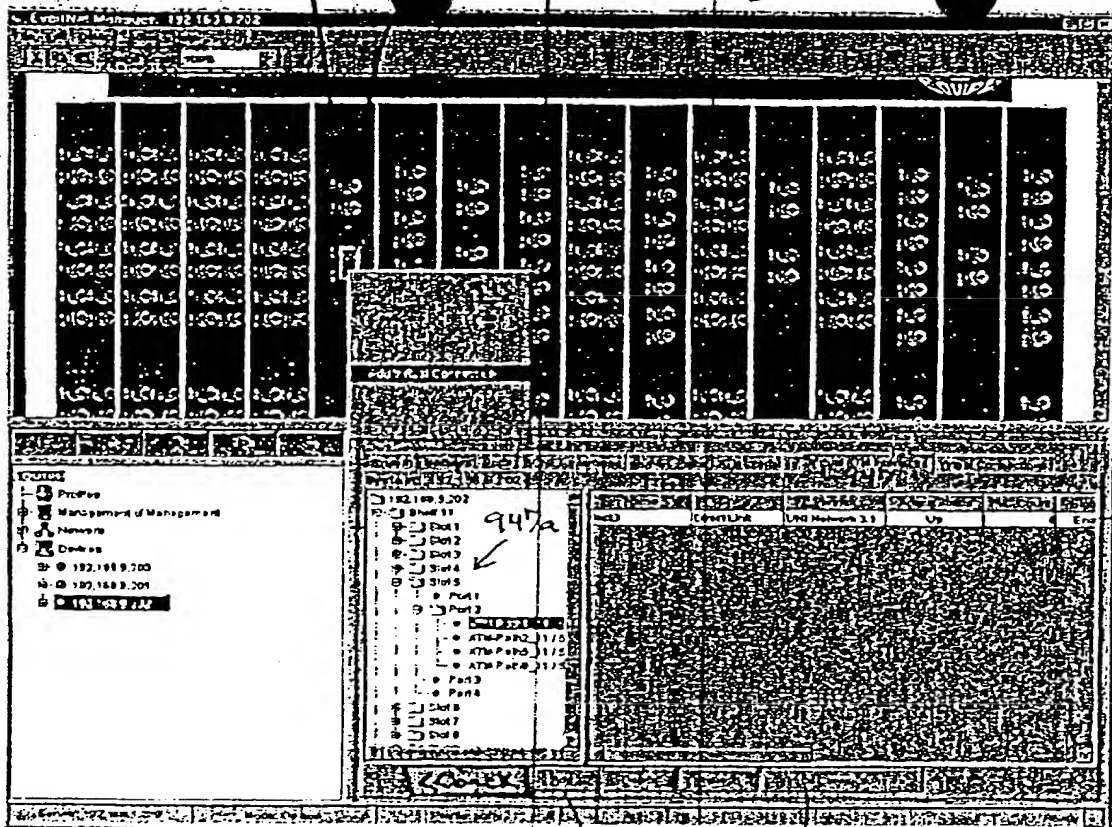


Fig. 5v

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Fig. 5w

953

EvailNet Manager: 192.168.9.202 - Virtual Connection Wizard

Source 1 / 1 / 1 / 1 **Destination 1 / 1 / 1 / 1**

Slot 4

- Port 1
 - ATM-Path1_11 / 4 / 1
 - ATM-Path2_11 / 4 / 1
 - test1
 - test2
- Port 2
- Port 3
- Port 4

Slot 3

- Port 1
- Port 2
 - ATM-Path1_11 / 5 / 2
 - test
 - ATM-Path2_11 / 5 / 2
 - ATM-Path5_11 / 5 / 2

Connection Parameters

Connection Name: test

Direction: Up

Customer Name: Walmart

QoS Parameters

Transmit Frame Description: VBR-high

Receive Frame Description: VBR-high

QoS Parameters

Transmit Frame Description: VBR-high

Receive Frame Description: VBR-high

Buttons: Back, Next, Cancel

Fig. 5x

New Traffic Descriptor

Name:

QoS Class: ▼

Type: ▼

OK Cancel

Fig. 5Y

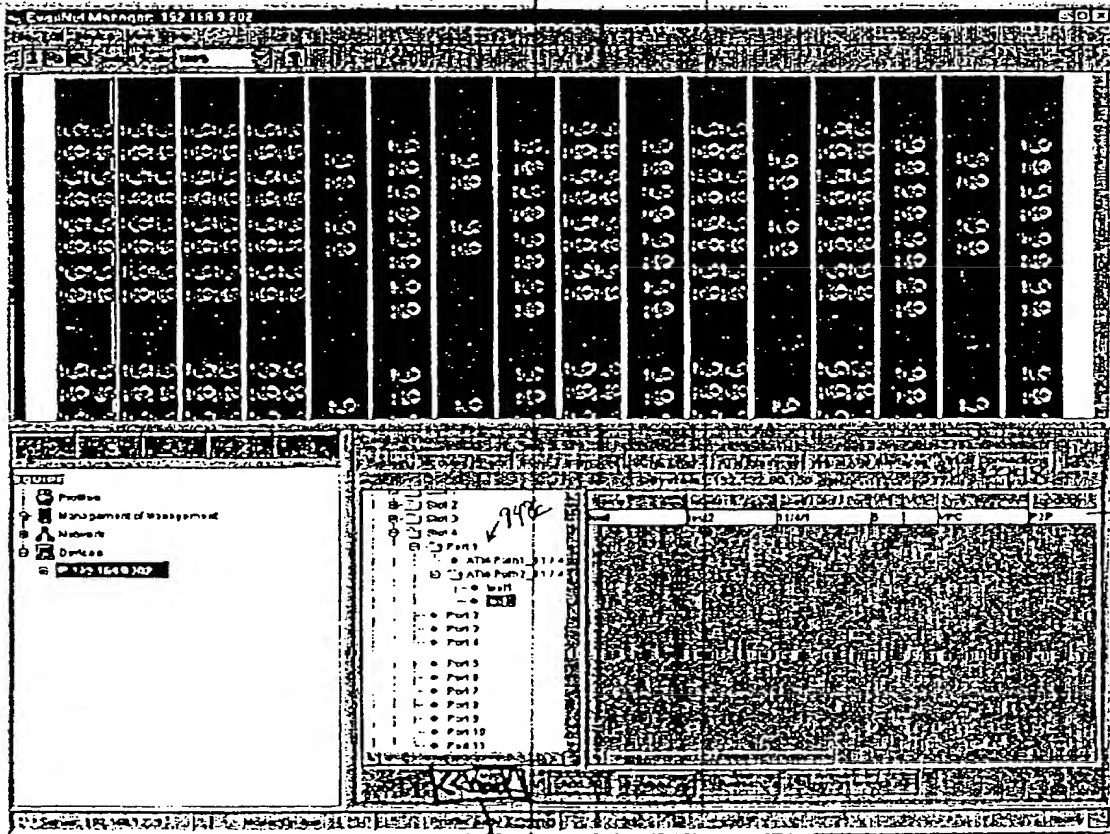
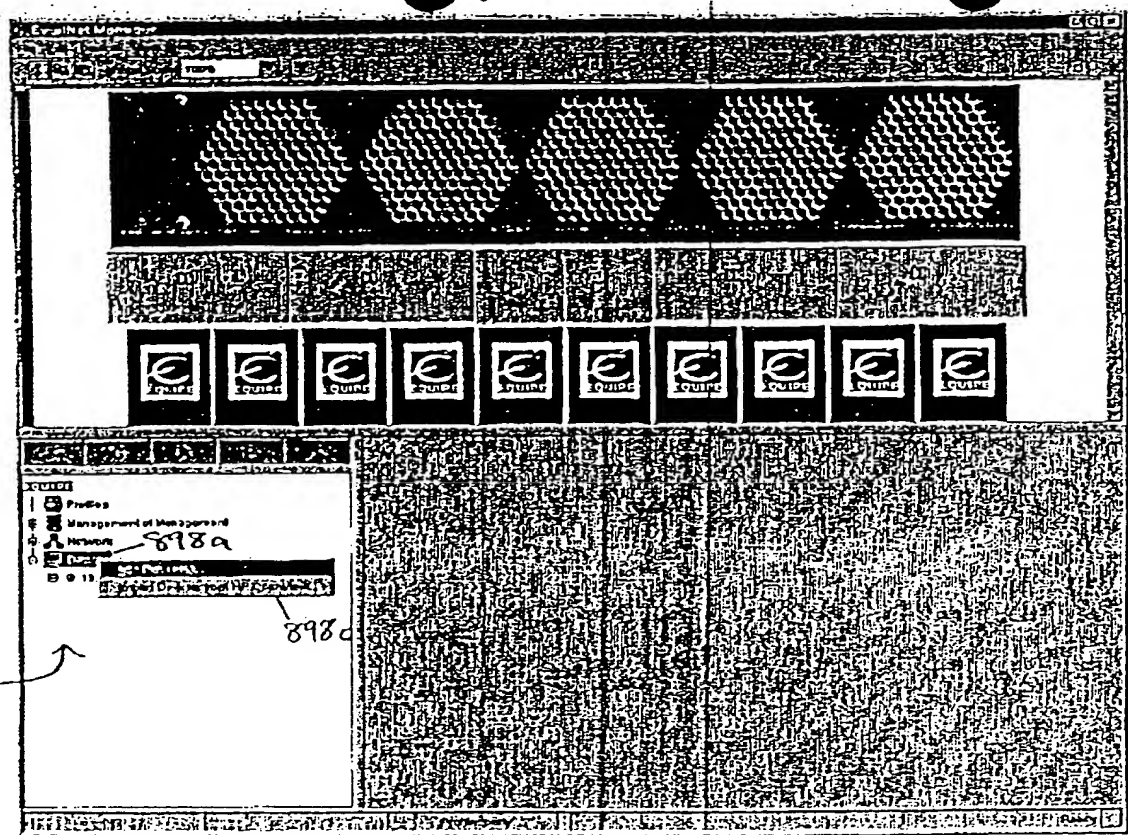


Fig. 57

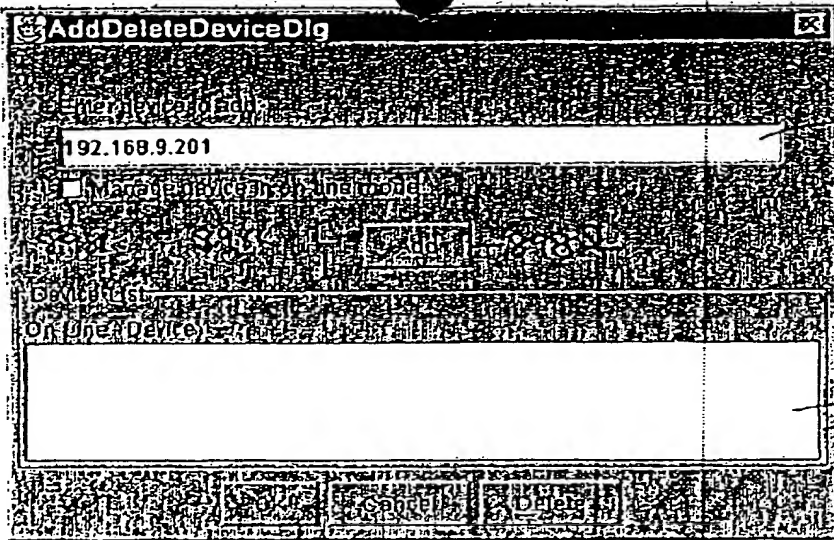
895



898

Fig. 6a

Fig. 6b

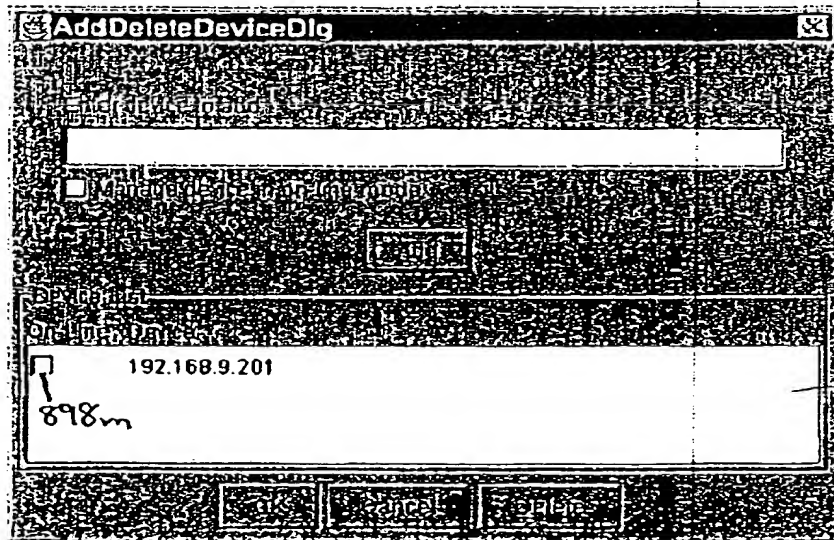


898e

898d

898g

Fig. 6c



898d

898g

00756936 010001

895

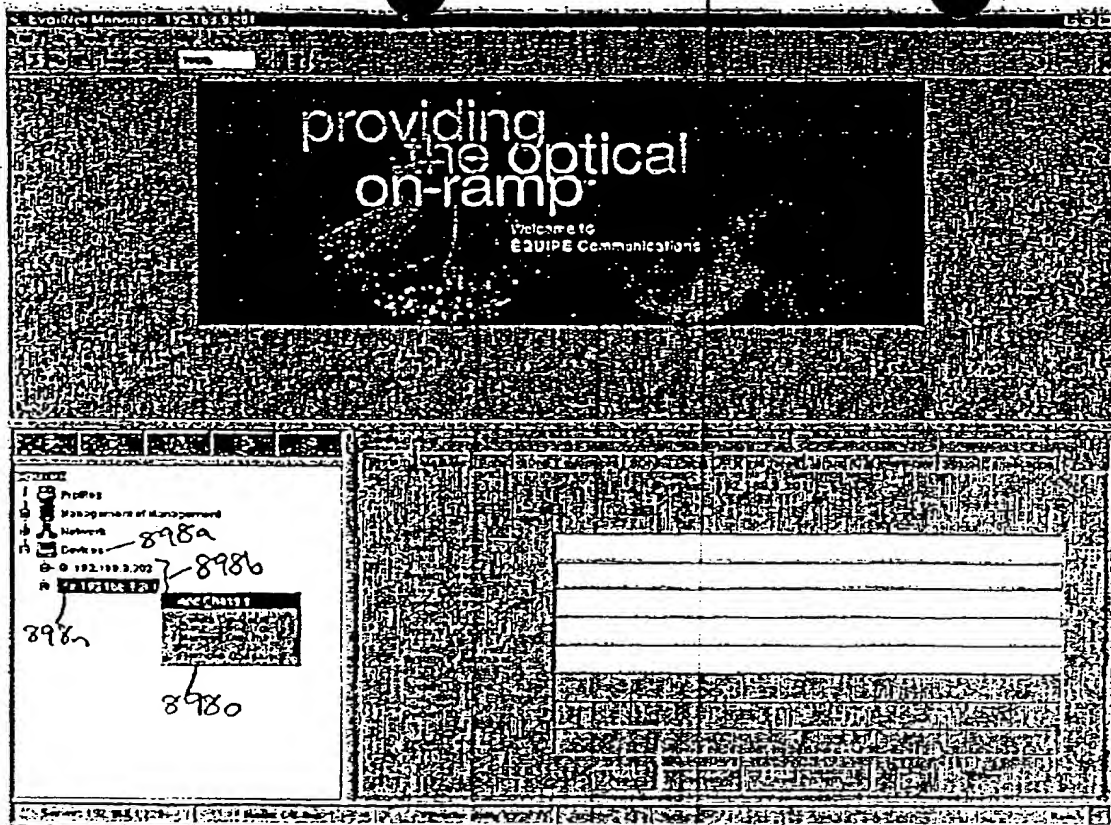


Fig. 6d

00756926-010001

00756936 000001

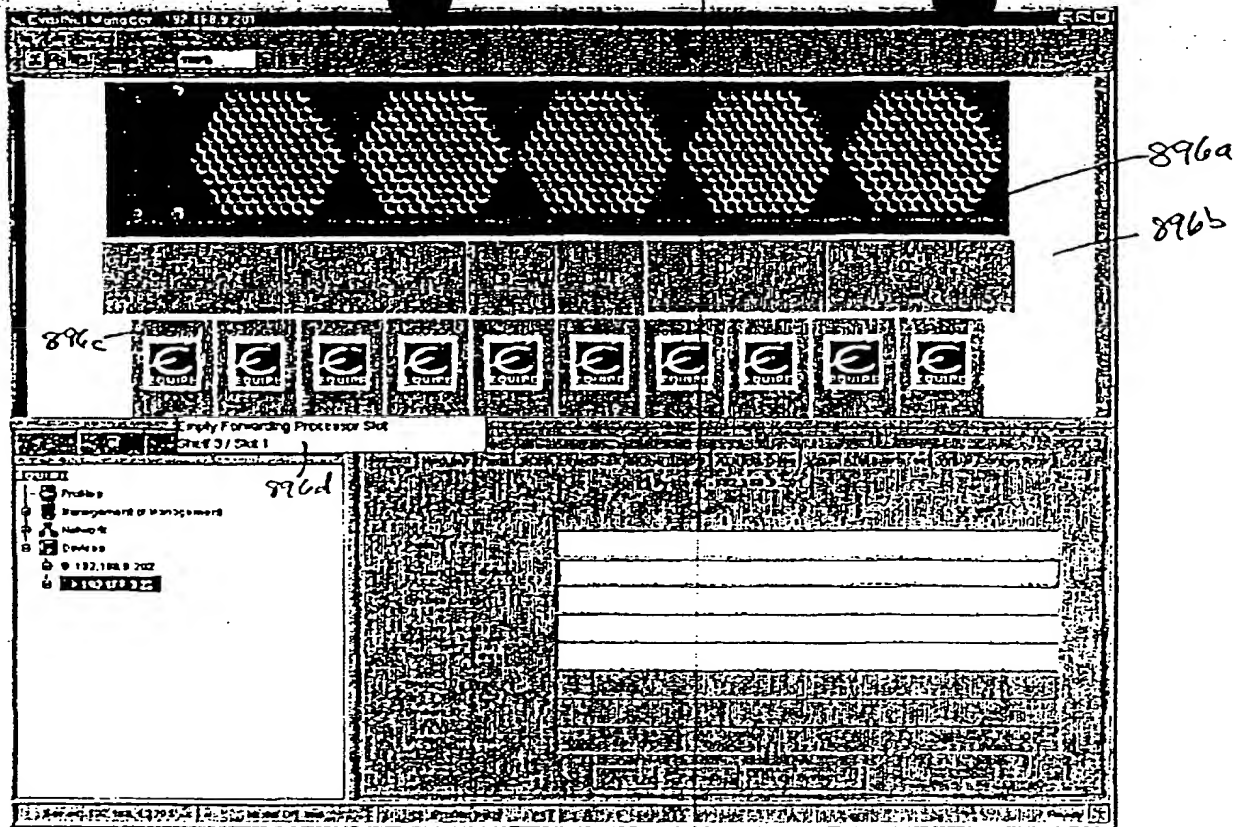
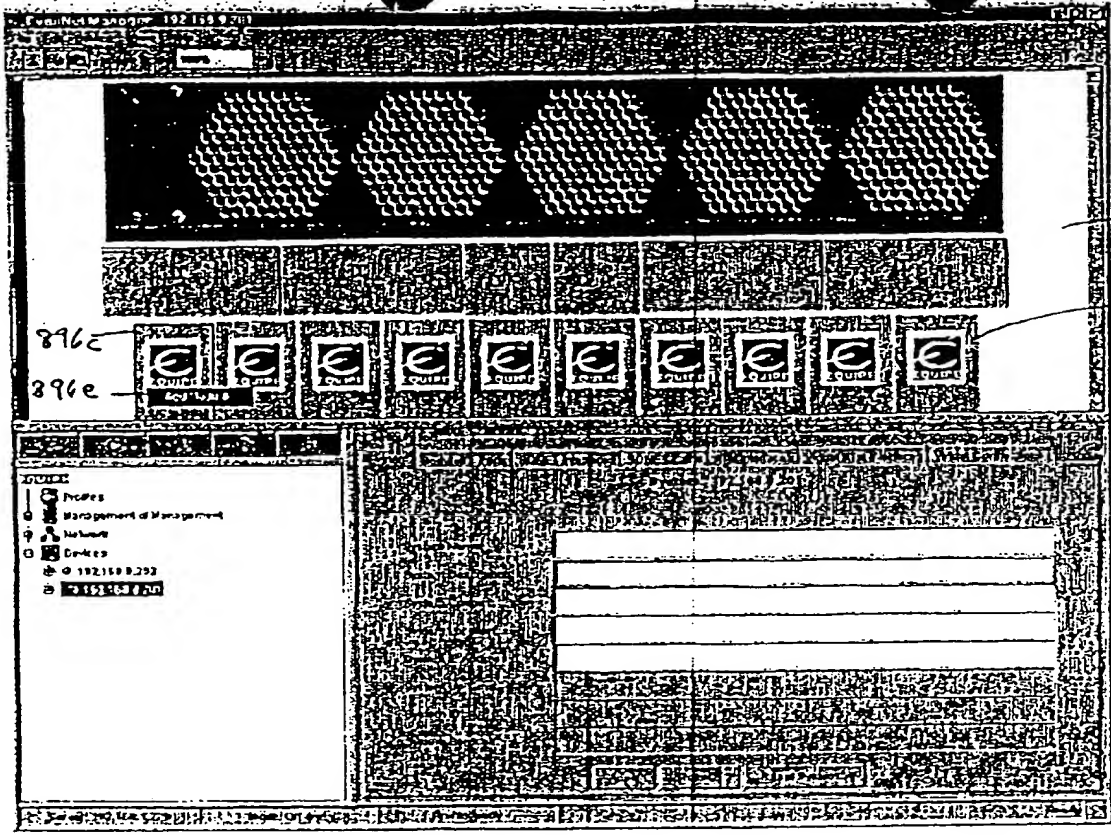


Fig. 6e

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896b

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896e

Fig. 6f

00756066-000001

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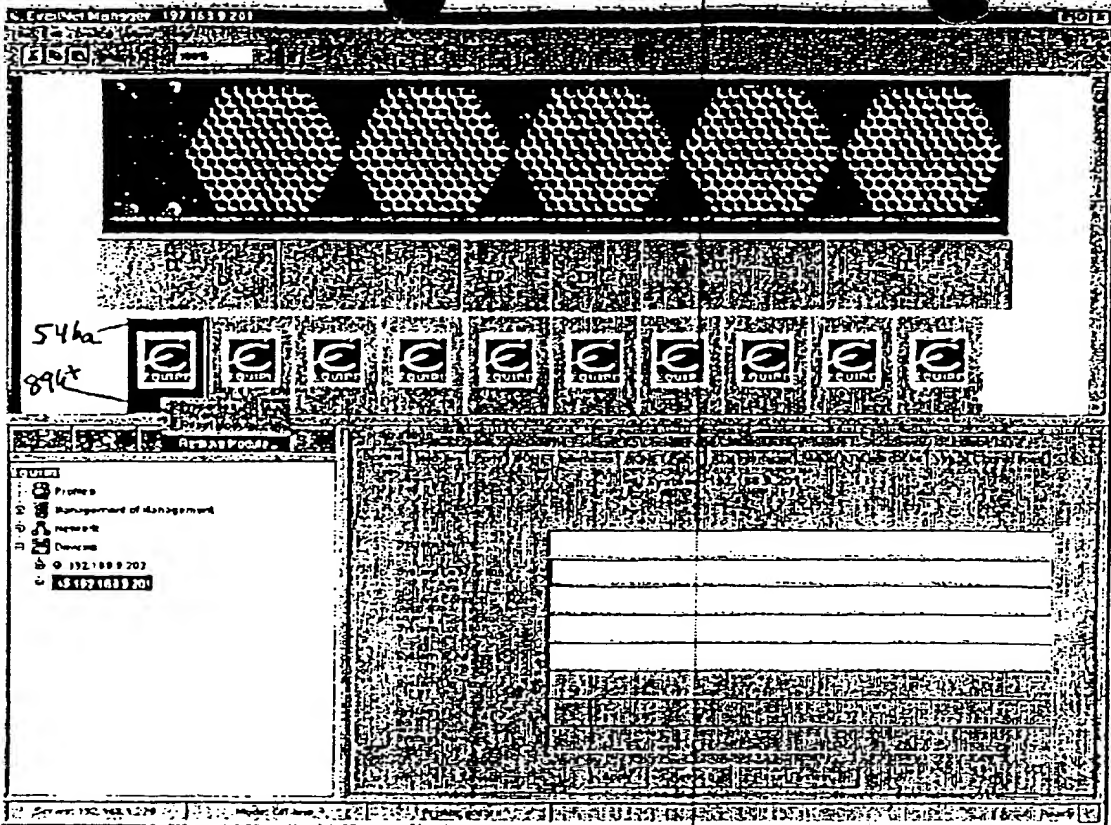


Fig. 69

00755935 010004

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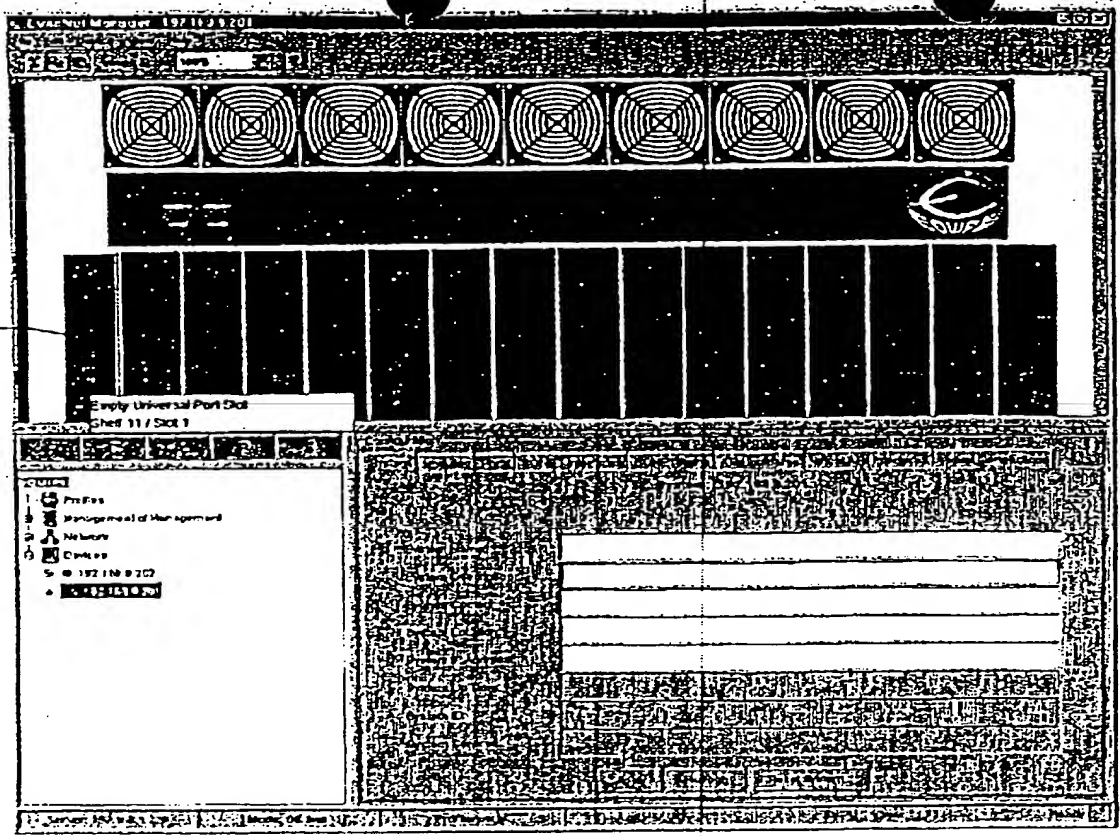
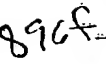


Fig. 6h

00765035-040004

895

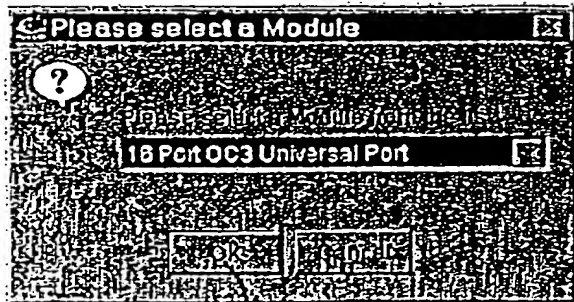


896 g

Fig. 6i

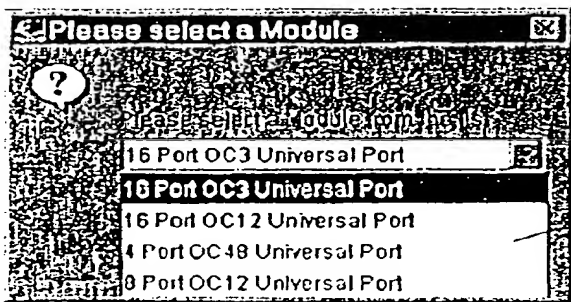
[illegible]

Fig. 6j



896h

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Fig. 6K

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Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)
Algeria	1980	12.5	5.5	44	100	100	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	1985	13.5	6.5	48	110	110	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	1990	14.5	7.5	52	120	120	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	1995	15.5	8.5	55	130	130	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2000	16.5	9.5	58	140	140	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2005	17.5	10.5	60	150	150	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2010	18.5	11.5	62	160	160	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2015	19.5	12.5	64	170	170	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2020	20.5	13.5	66	180	180	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2025	21.5	14.5	67	190	190	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2030	22.5	15.5	69	200	200	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2035	23.5	16.5	70	210	210	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2040	24.5	17.5	71	220	220	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2045	25.5	18.5	73	230	230	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2050	26.5	19.5	74	240	240	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2055	27.5	20.5	75	250	250	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2060	28.5	21.5	76	260	260	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2065	29.5	22.5	77	270	270	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2070	30.5	23.5	78	280	280	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2075	31.5	24.5	78	290	290	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2080	32.5	25.5	79	300	300	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2085	33.5	26.5	80	310	310	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2090	34.5	27.5	80	320	320	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2095	35.5	28.5	80	330	330	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2100	36.5	29.5	81	340	340	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2105	37.5	30.5	81	350	350	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2110	38.5	31.5	82	360	360	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2115	39.5	32.5	83	370	370	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2120	40.5	33.5	83	380	380	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2125	41.5	34.5	83	390	390	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2130	42.5	35.5	84	400	400	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2135	43.5	36.5									

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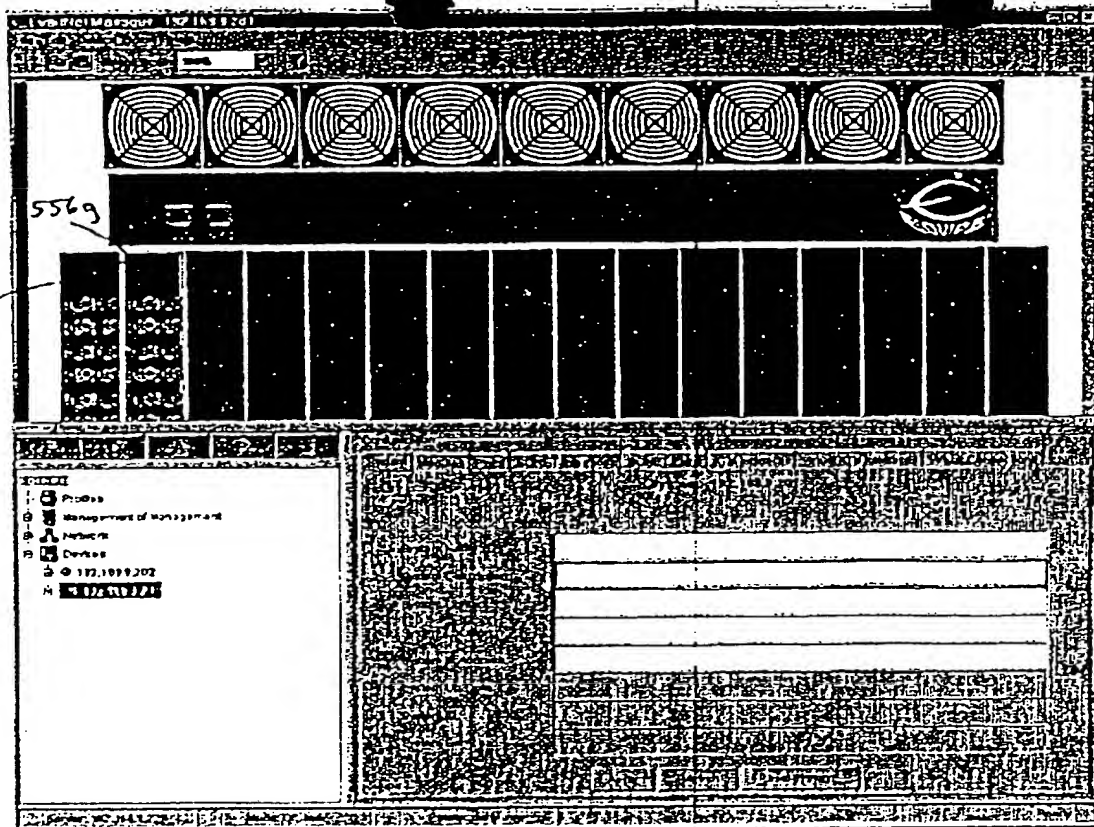


Fig. 6m

09756036 0409004

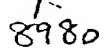


Fig. 6n

[illegible]

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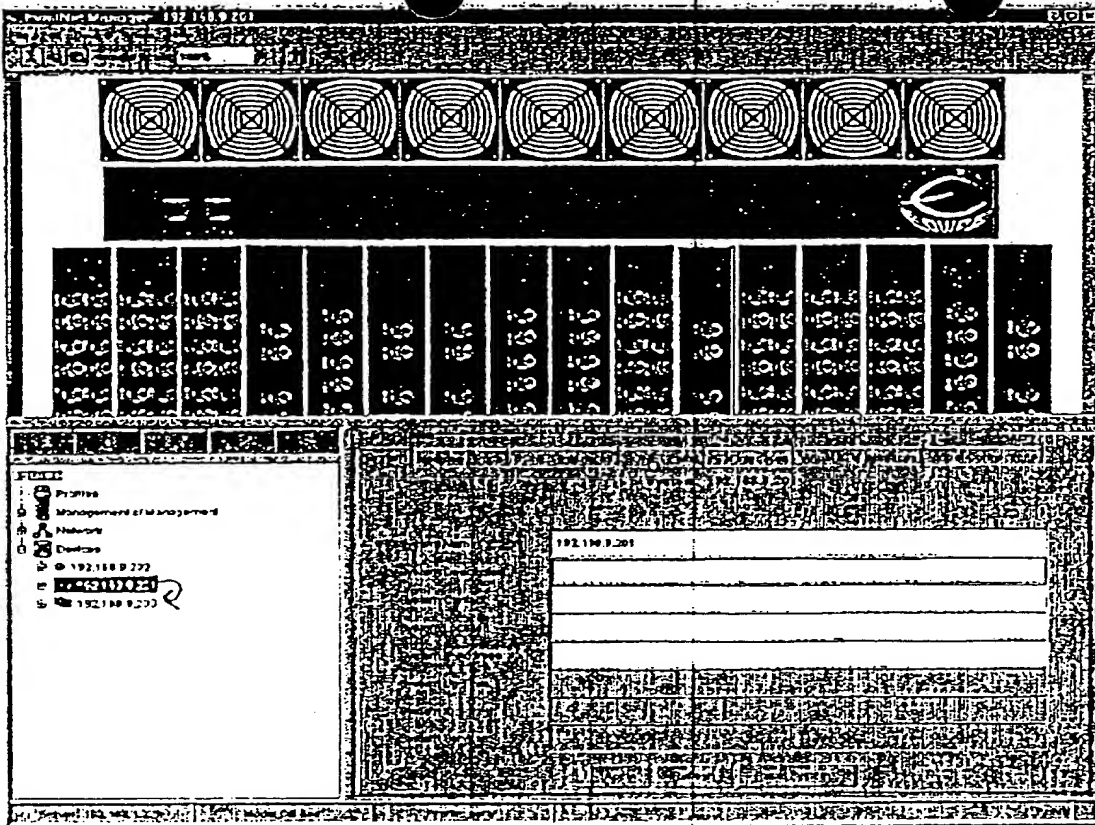
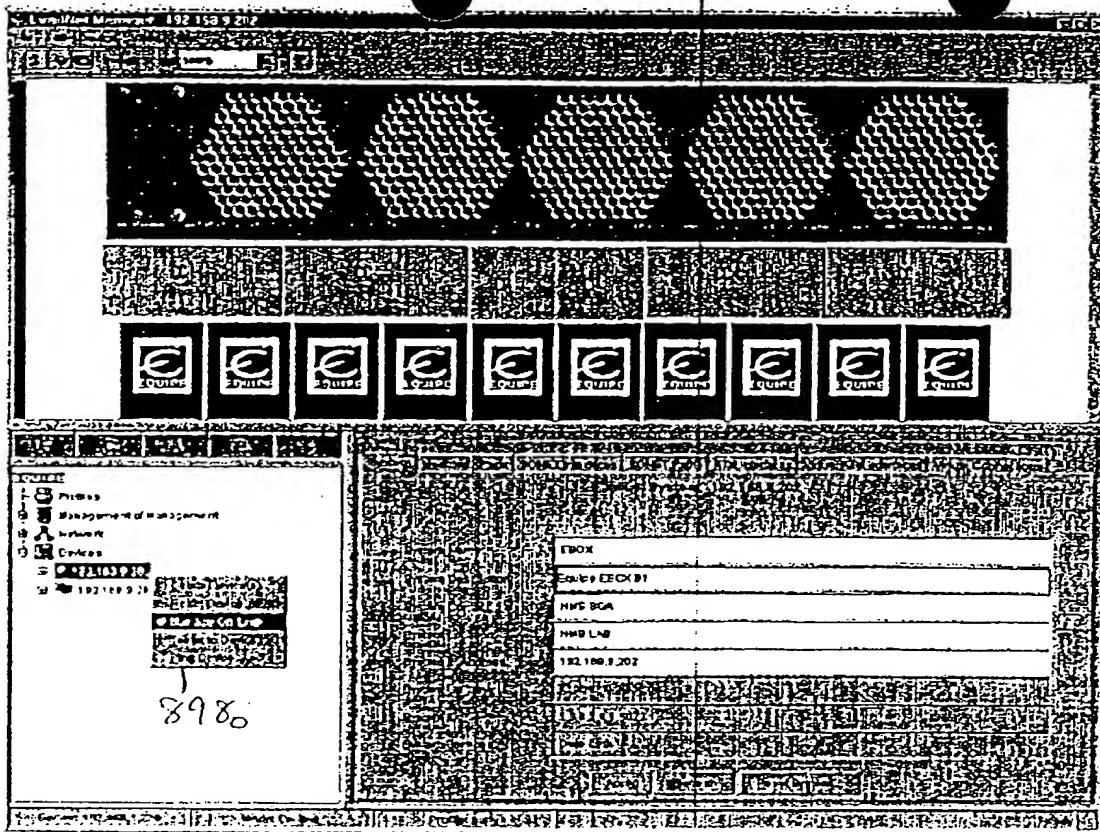


Fig. 60

00755035-040004

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Fig. 6p

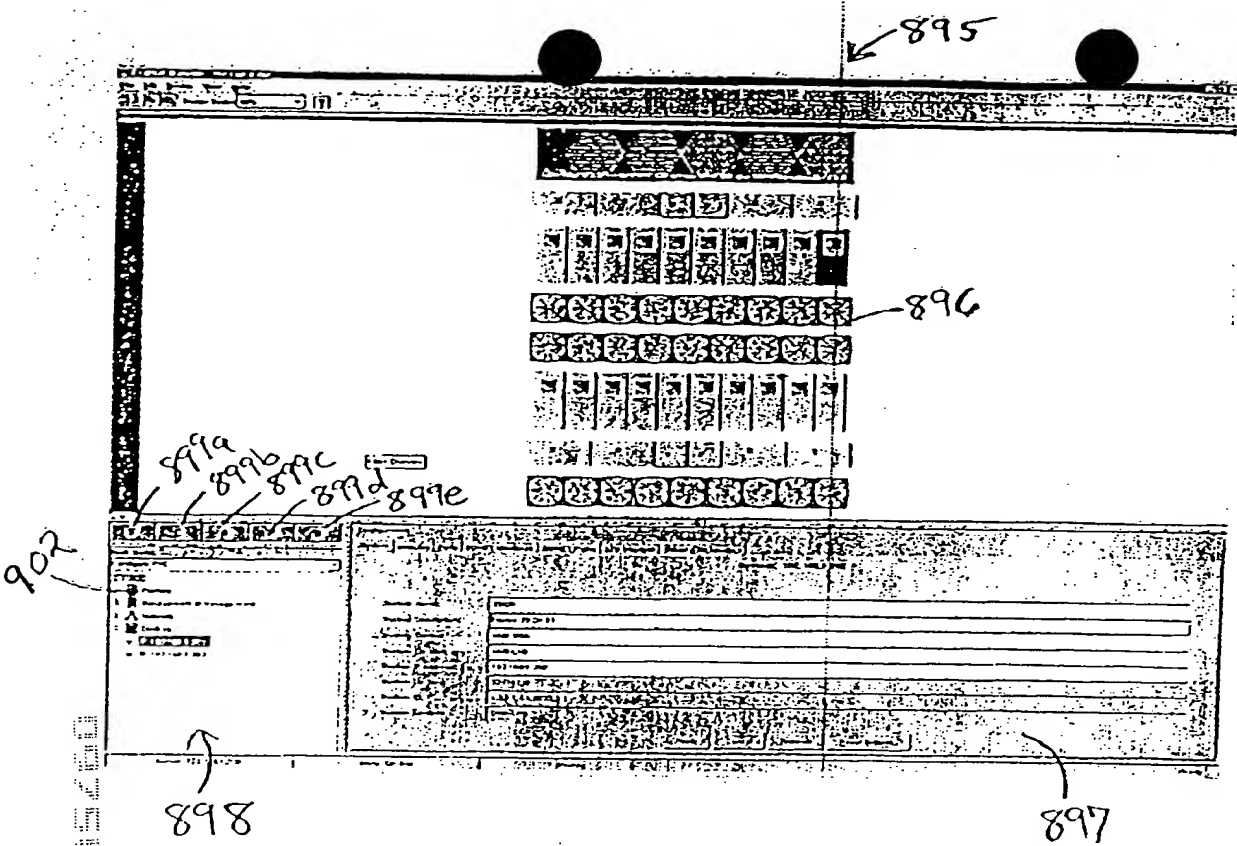
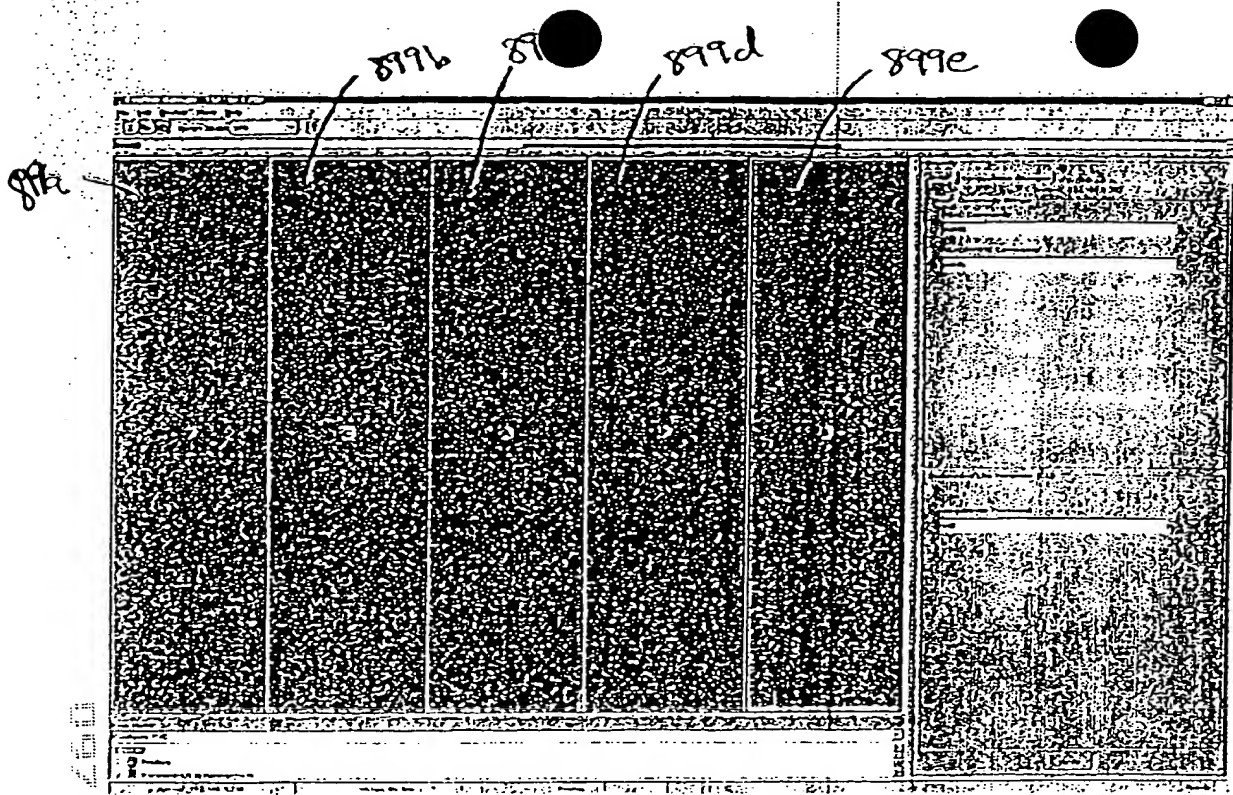


Fig. 7a

EvalNet Manager: Fault - Event Summary			
System: 9248265460			
System	Event	Event Number	Description
1.1.55.6	Fan OverTemp	44	"Fan marginally functioning"
1.1.55.7	New Board Ins...	75	"New board Inserted"
OK			

Fig. 7b

00756936 010001



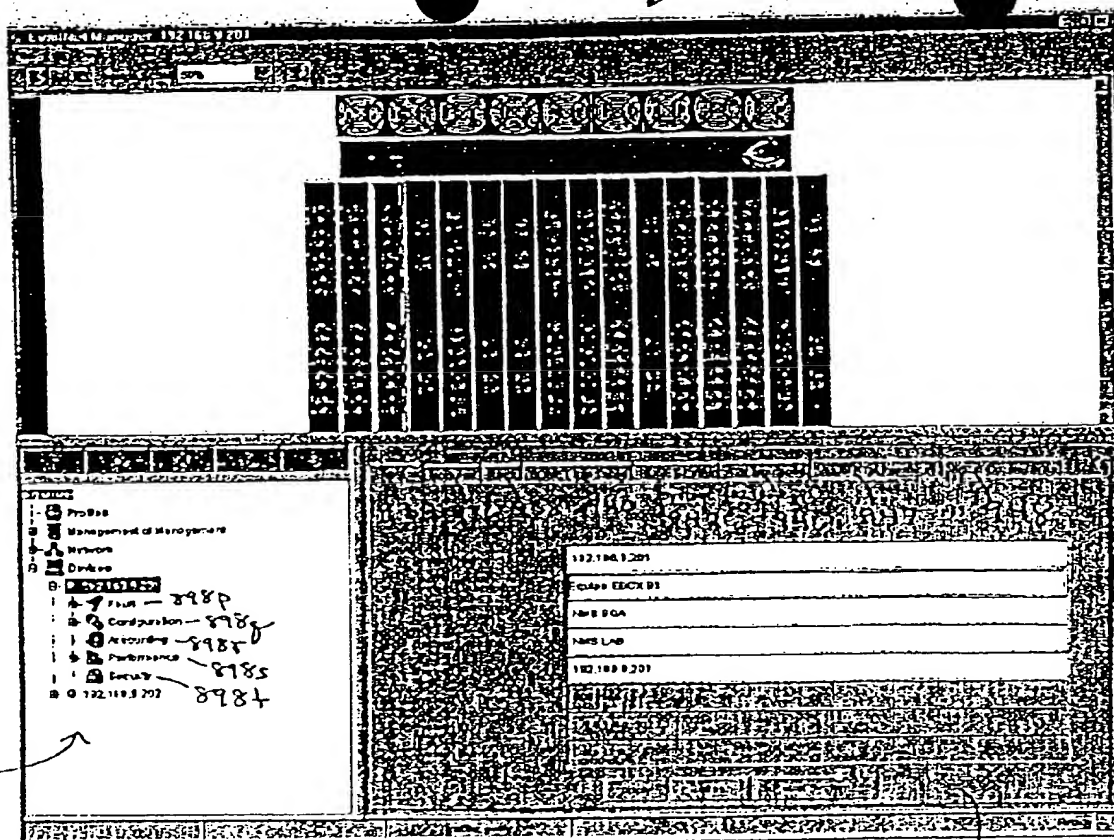


Fig. 7d

895

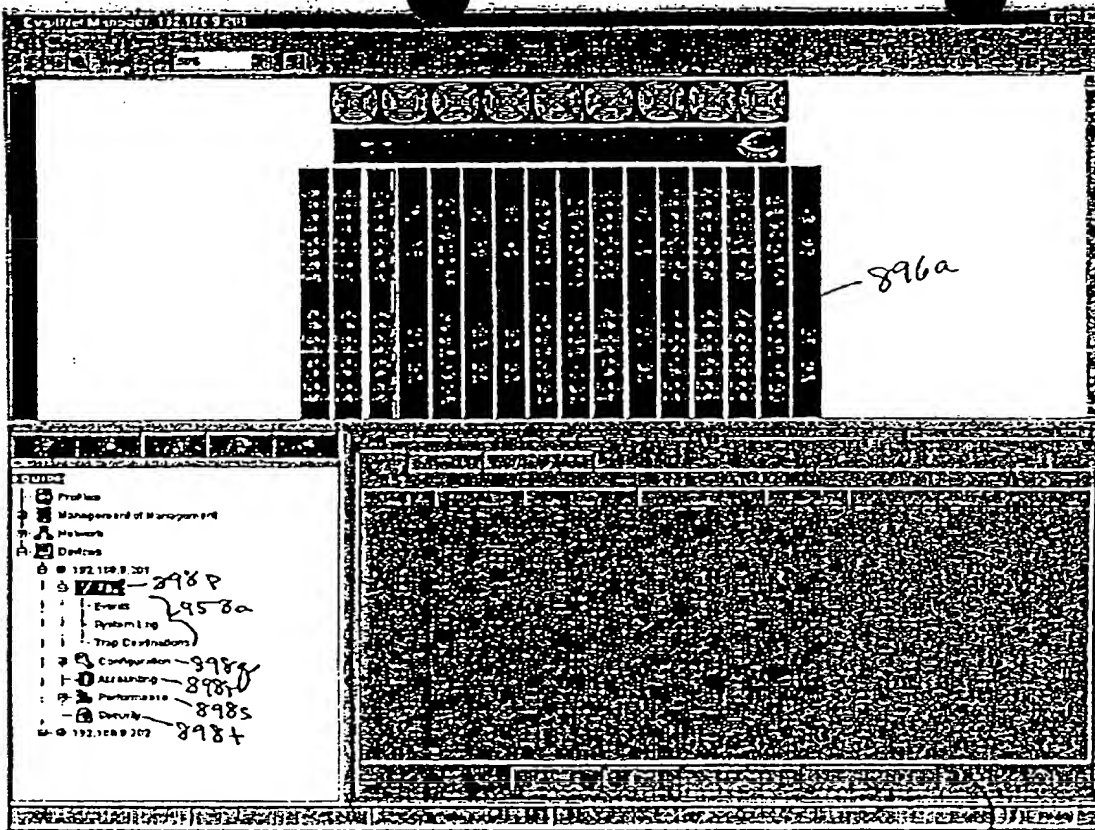


Fig. 7e

895

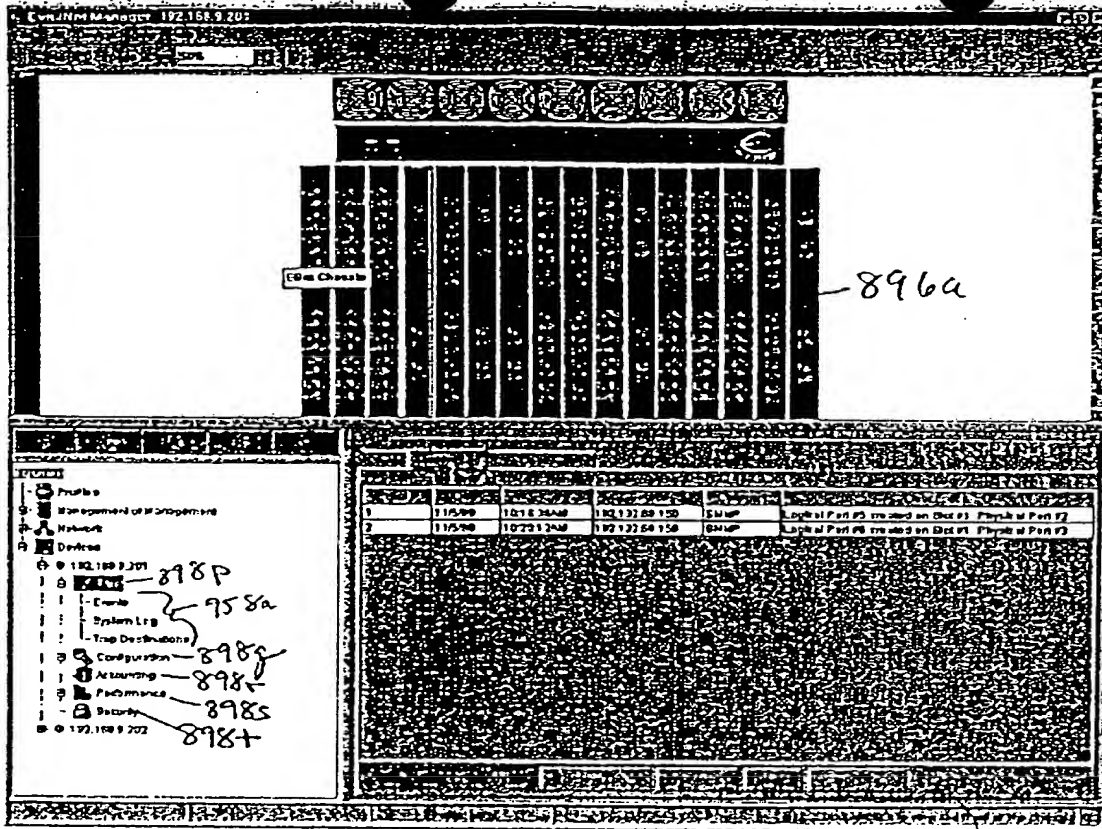


Fig. 24

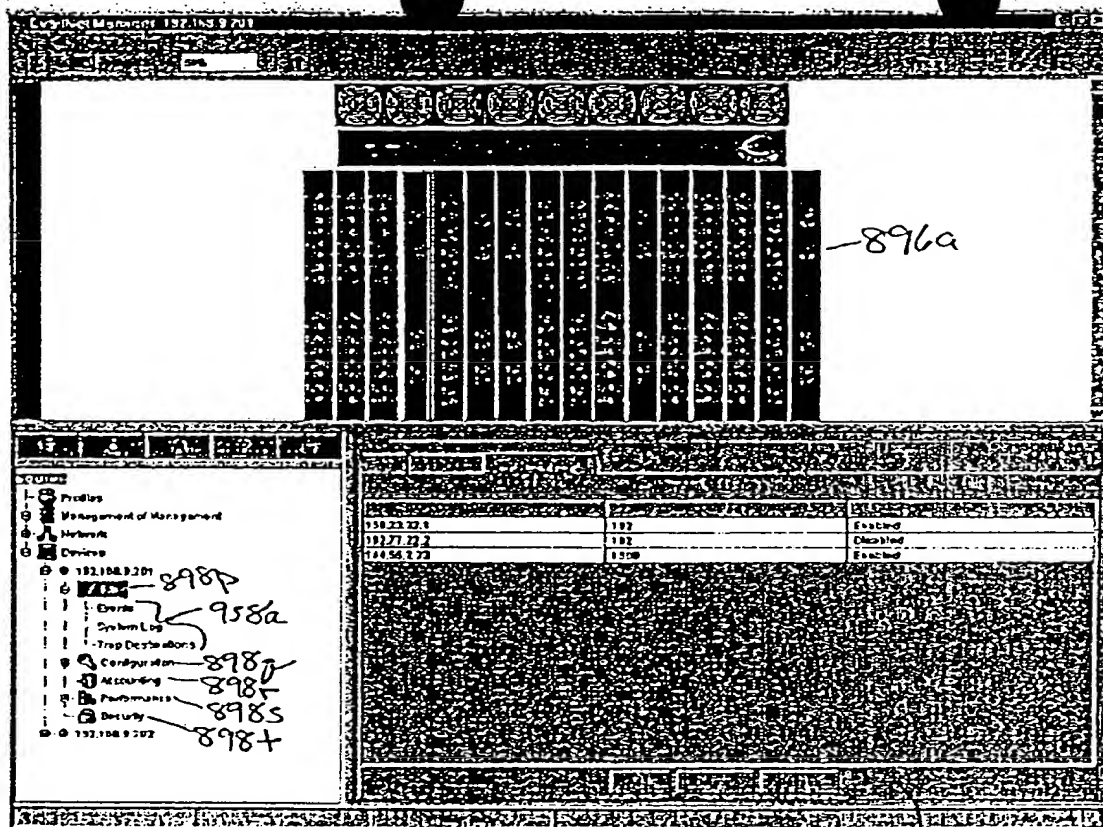
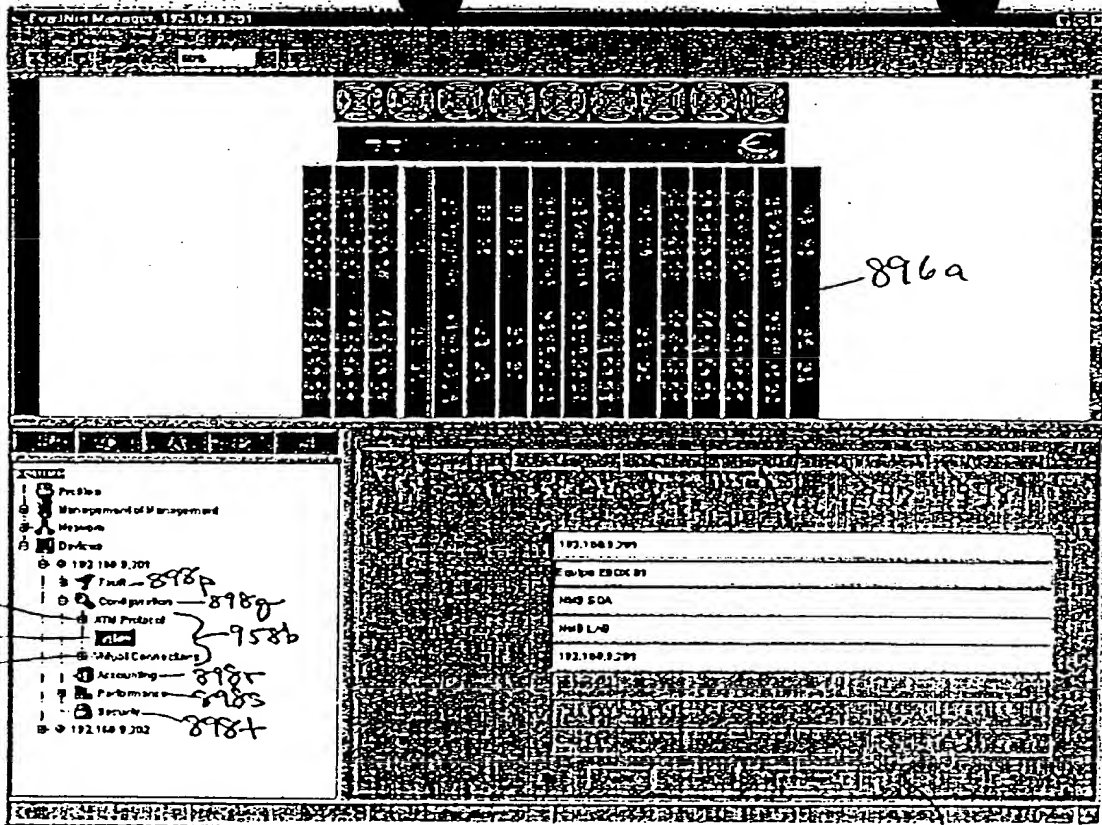


Fig. 79

895

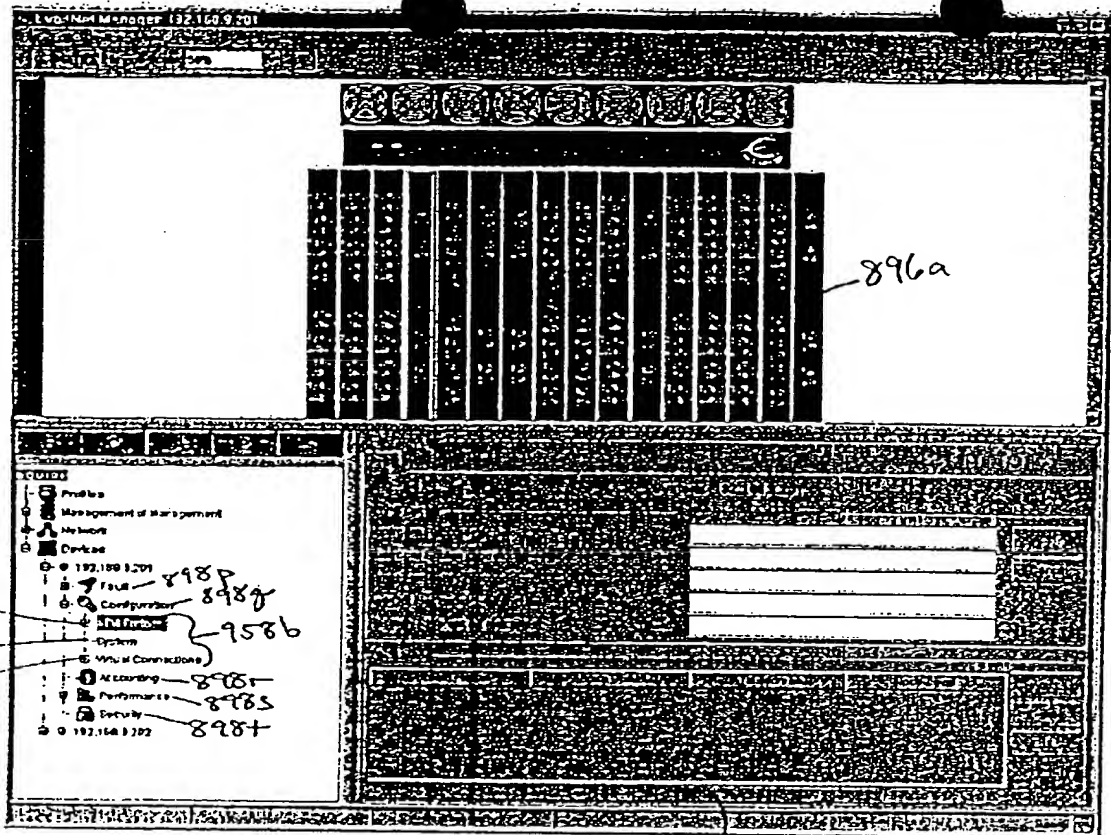


958c
958d
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897

Fig. 7h

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877

Fig 7i

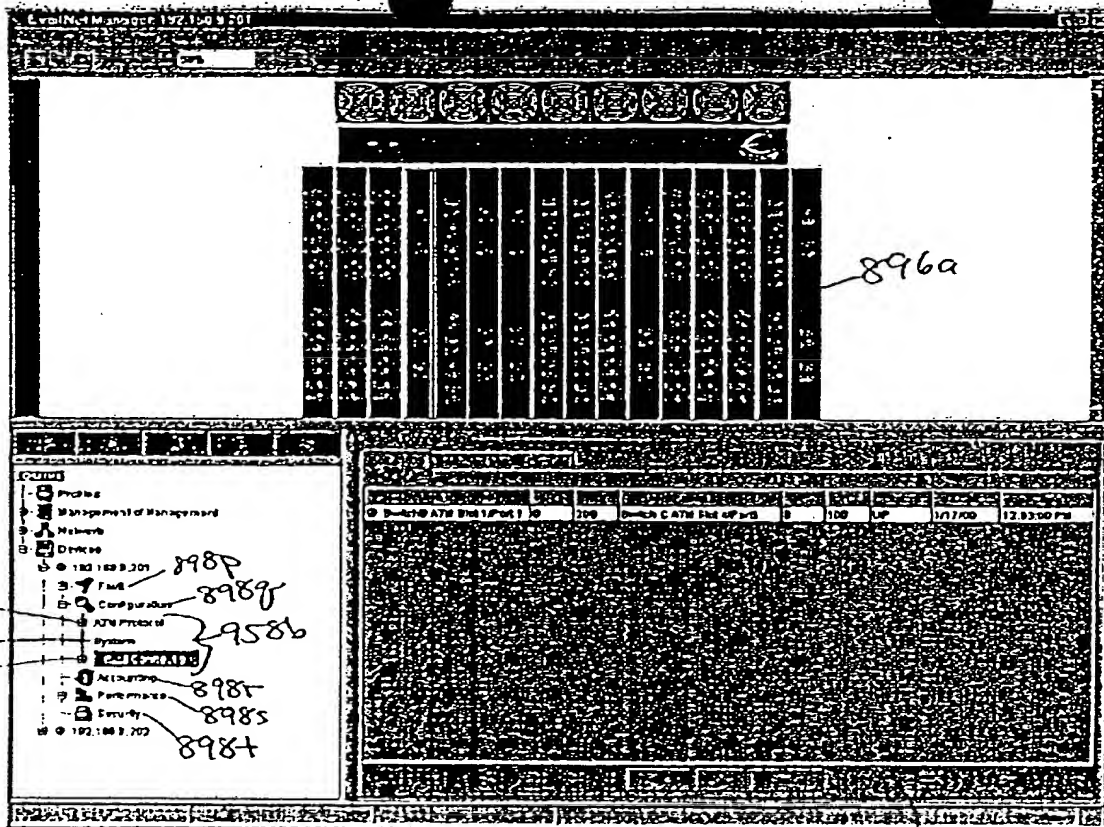


Fig. 7j

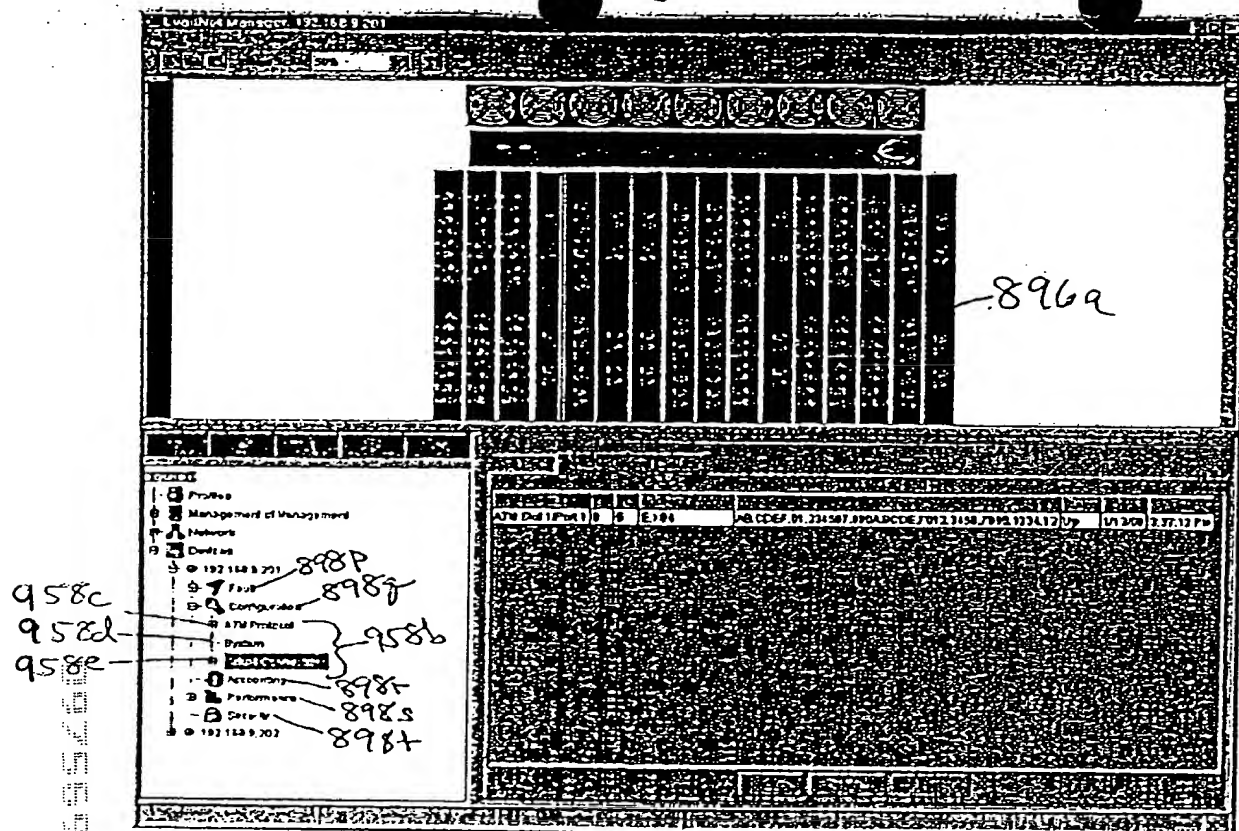
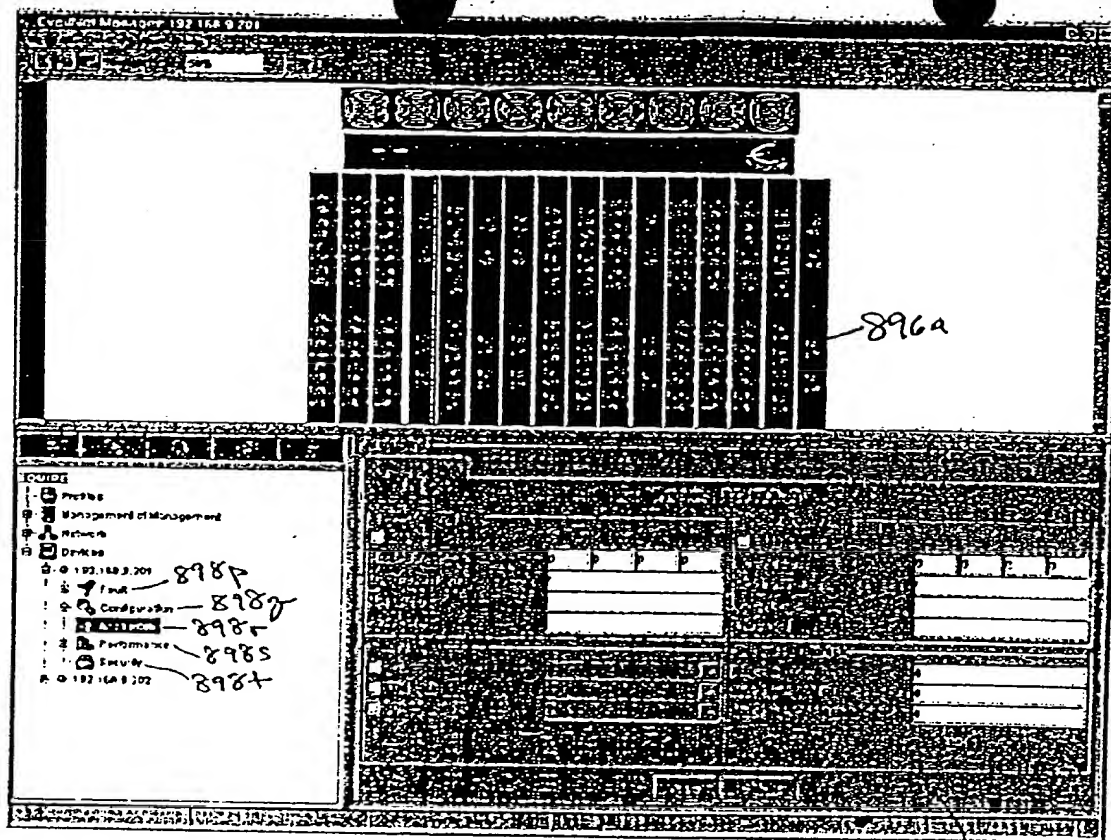


Fig. 7K



F, g. 7L

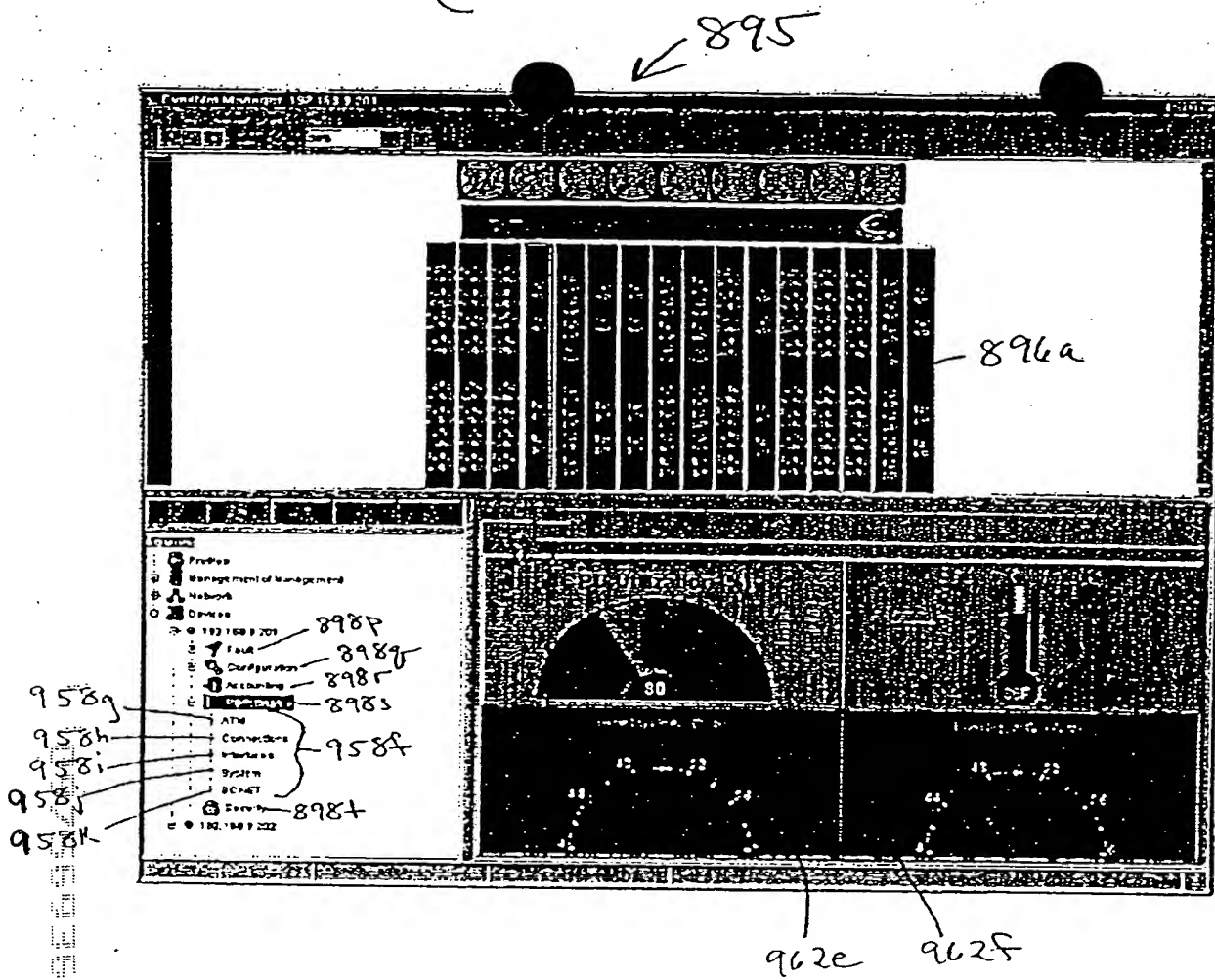


Fig. 7m

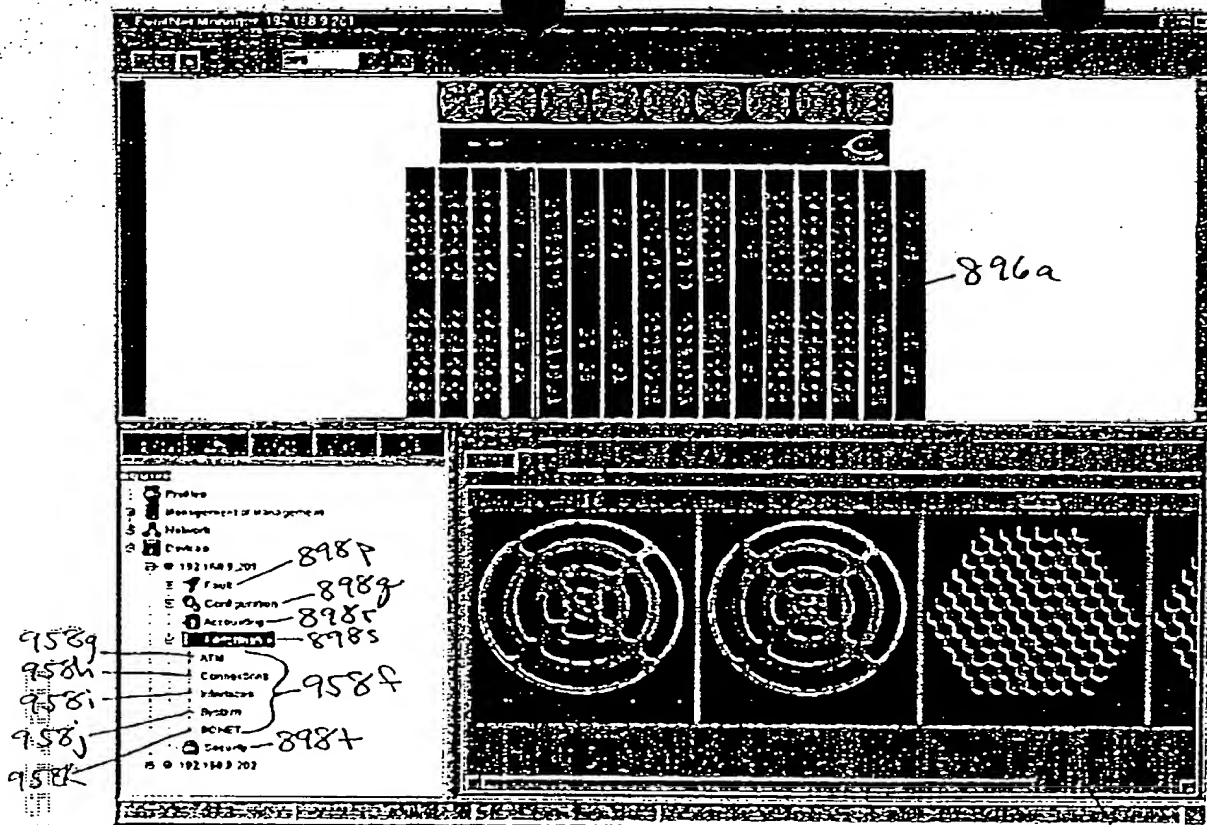


Fig. 7n

895

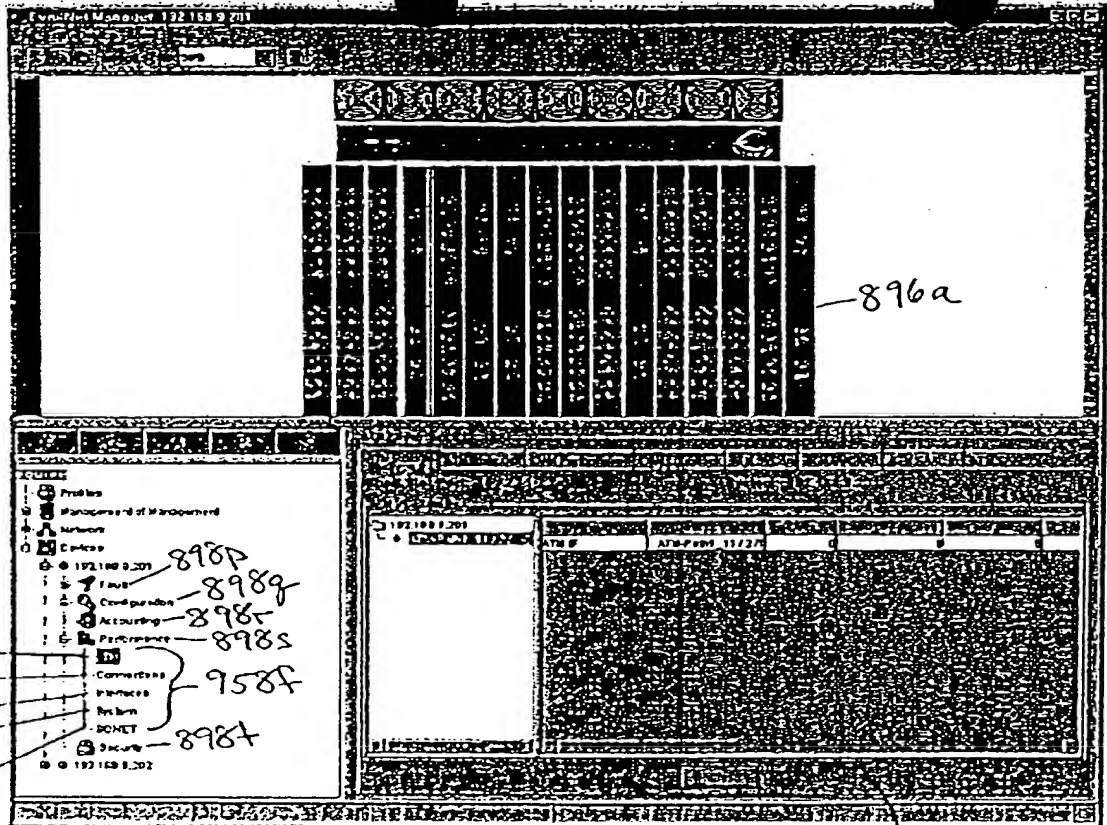
958g
958h
958i
958j
958k

898p
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896a

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Fig. 70



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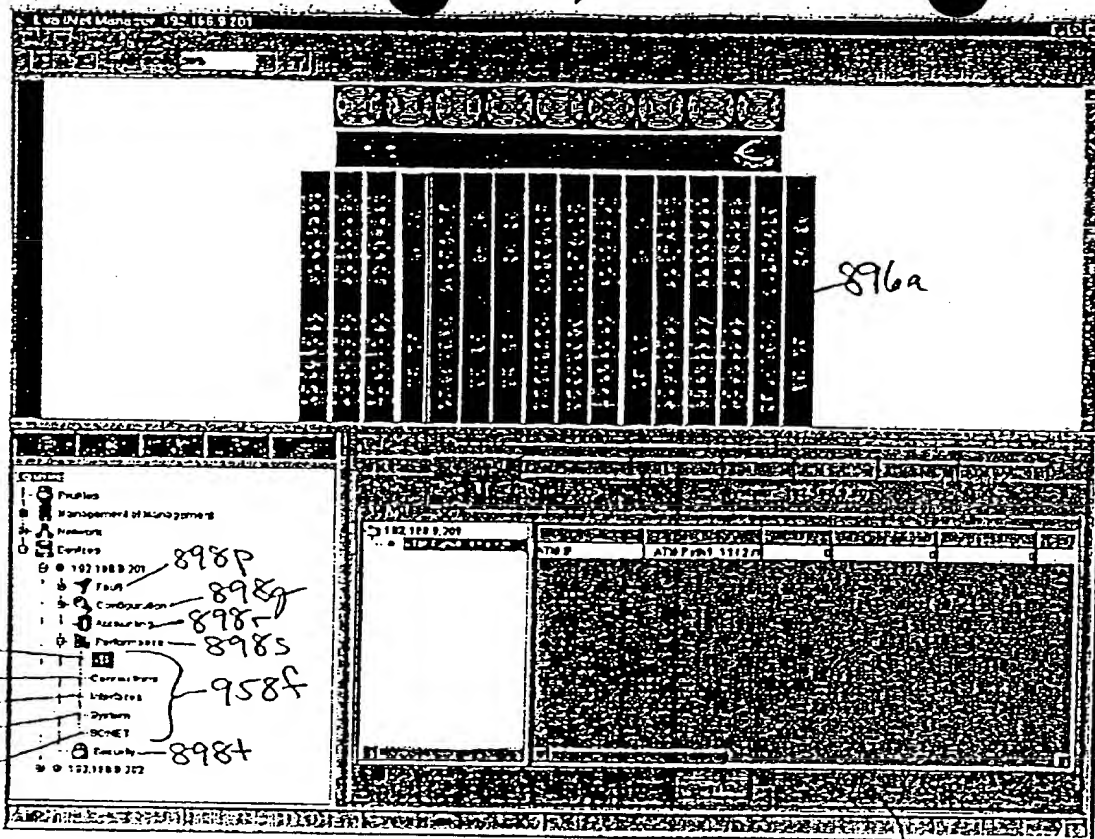
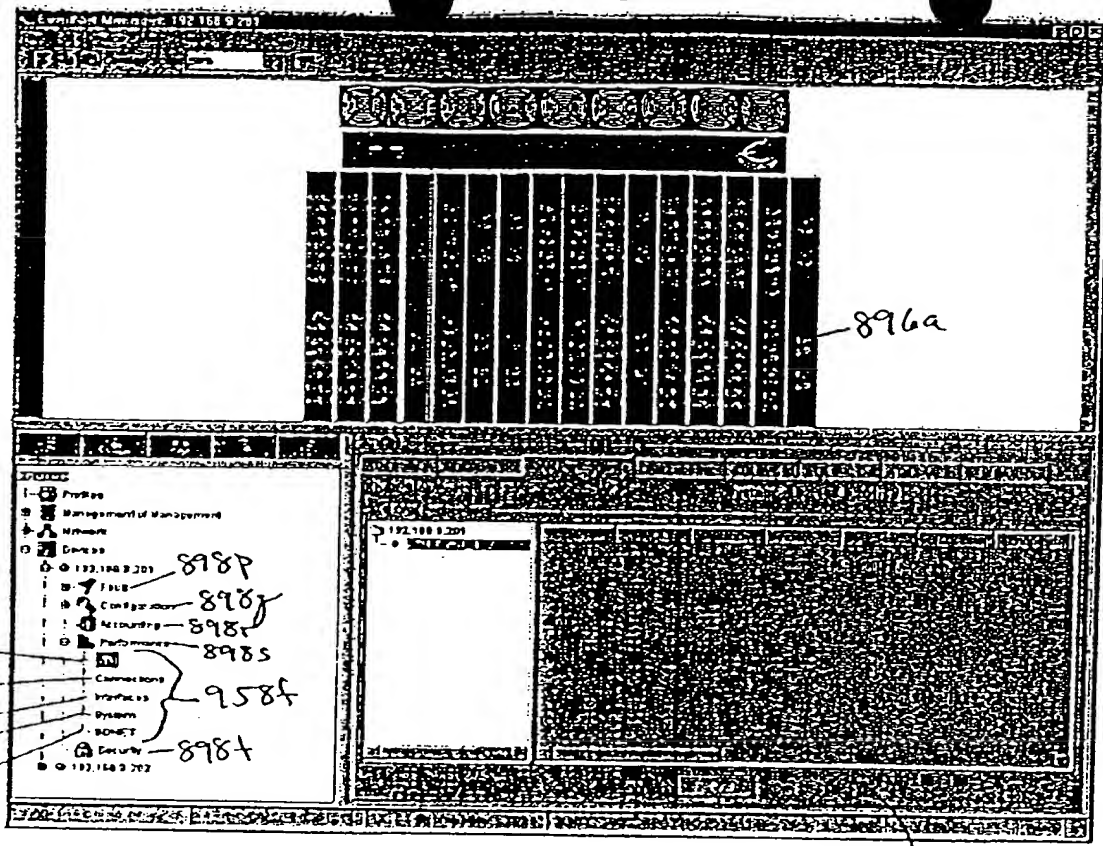


Fig. 7p

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958g
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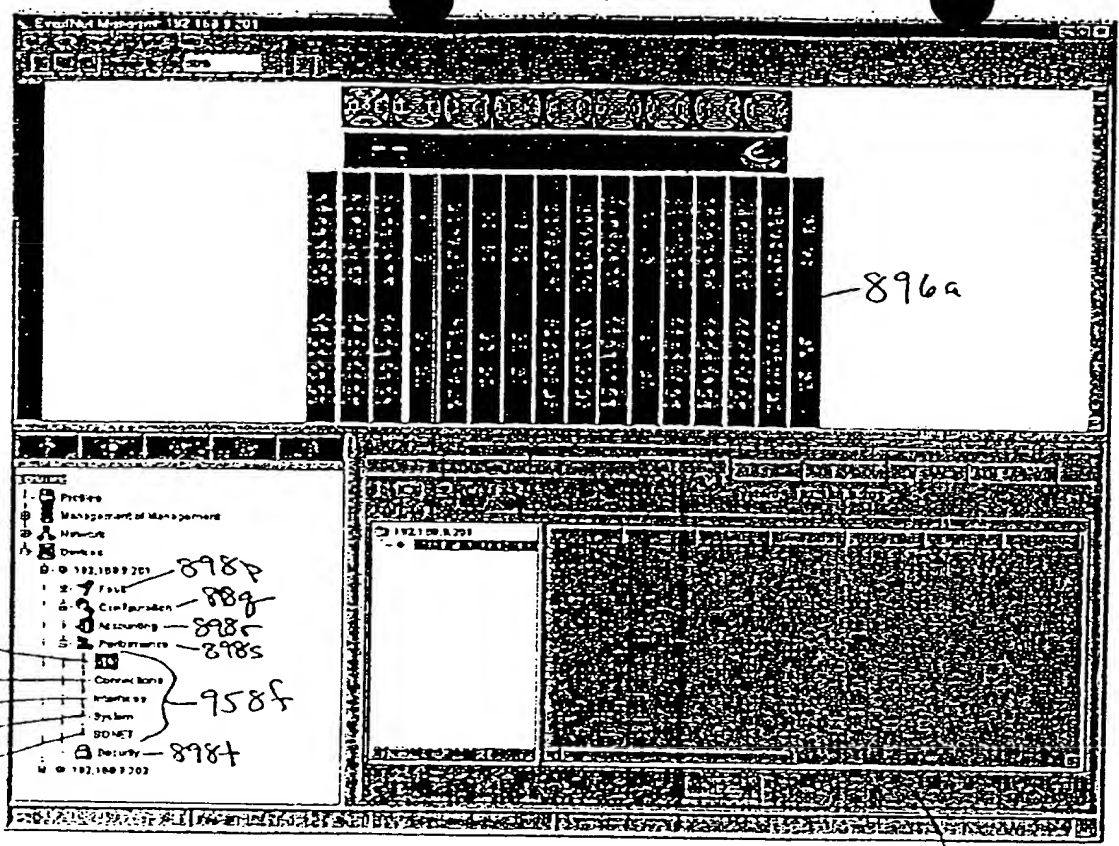
898p
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Fig. 7g

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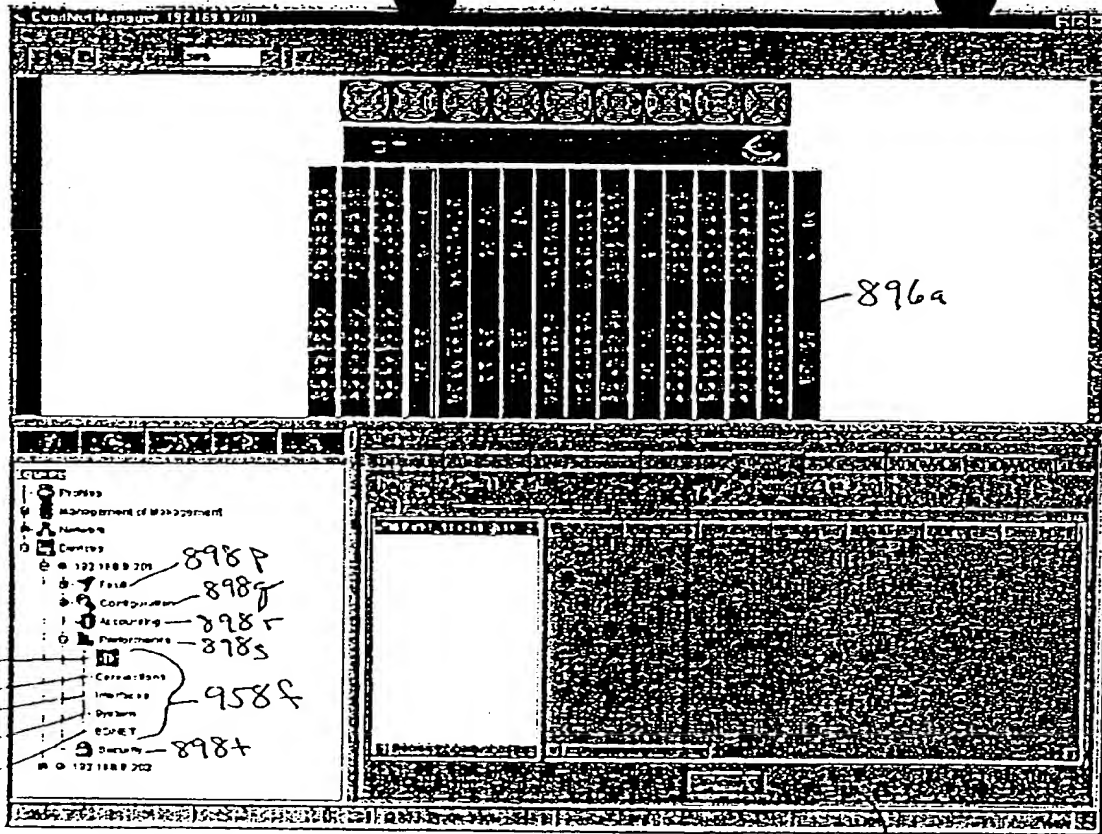
958g
958h
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958k



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Fig. 7r

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958g
958h
958i
958j
958k

Fig. 7s

895

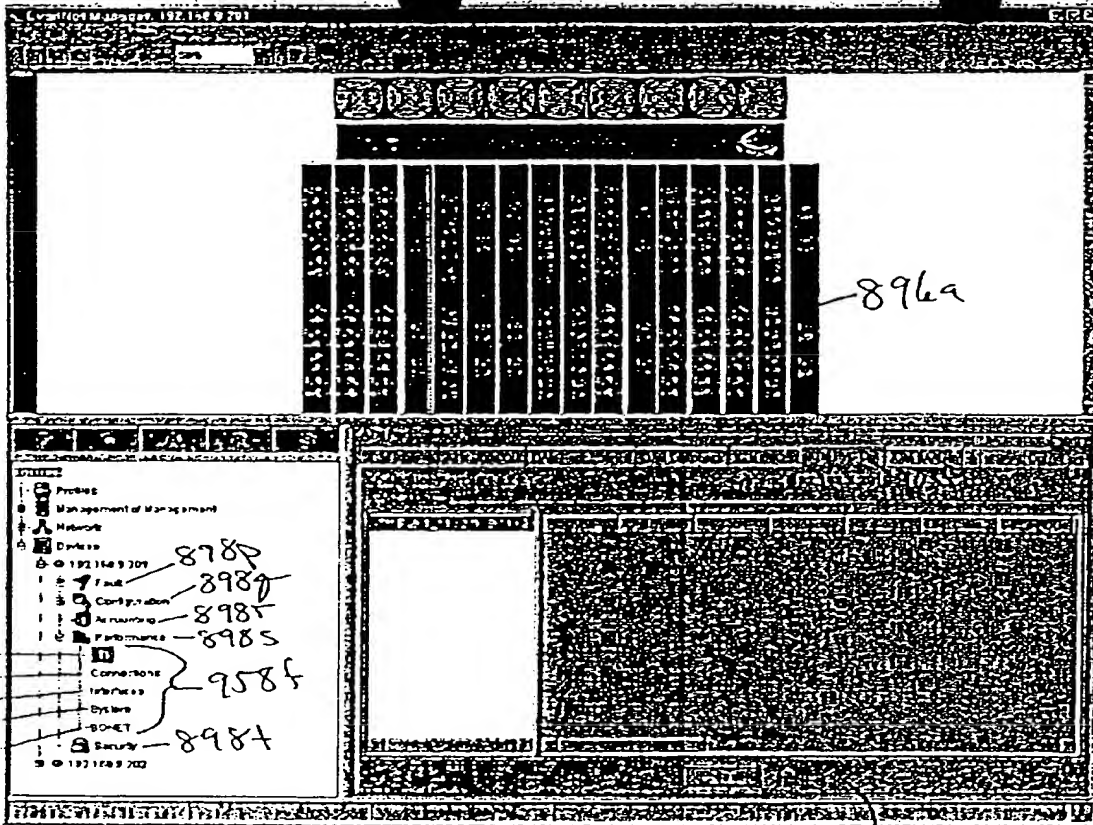


Fig. 7+

895

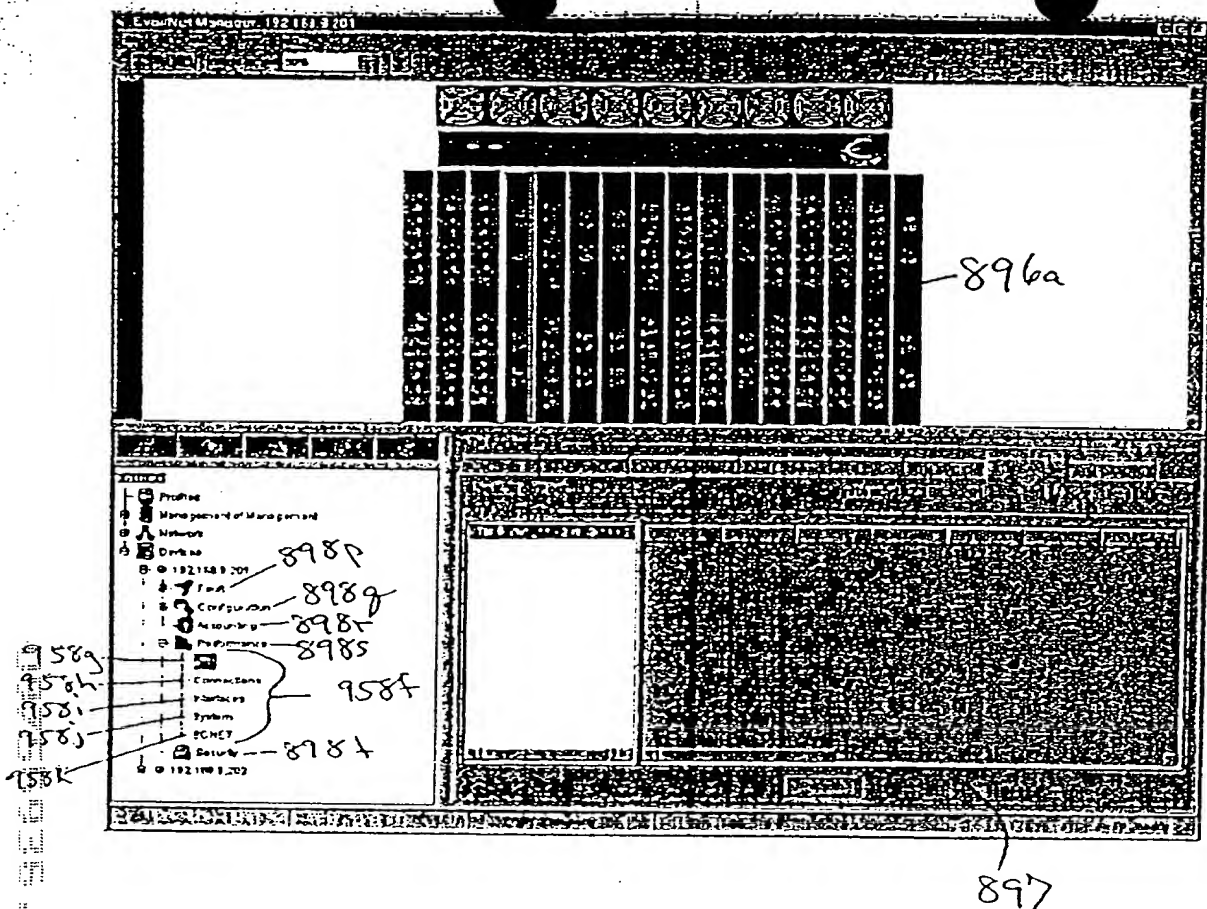


Fig. 7a

895

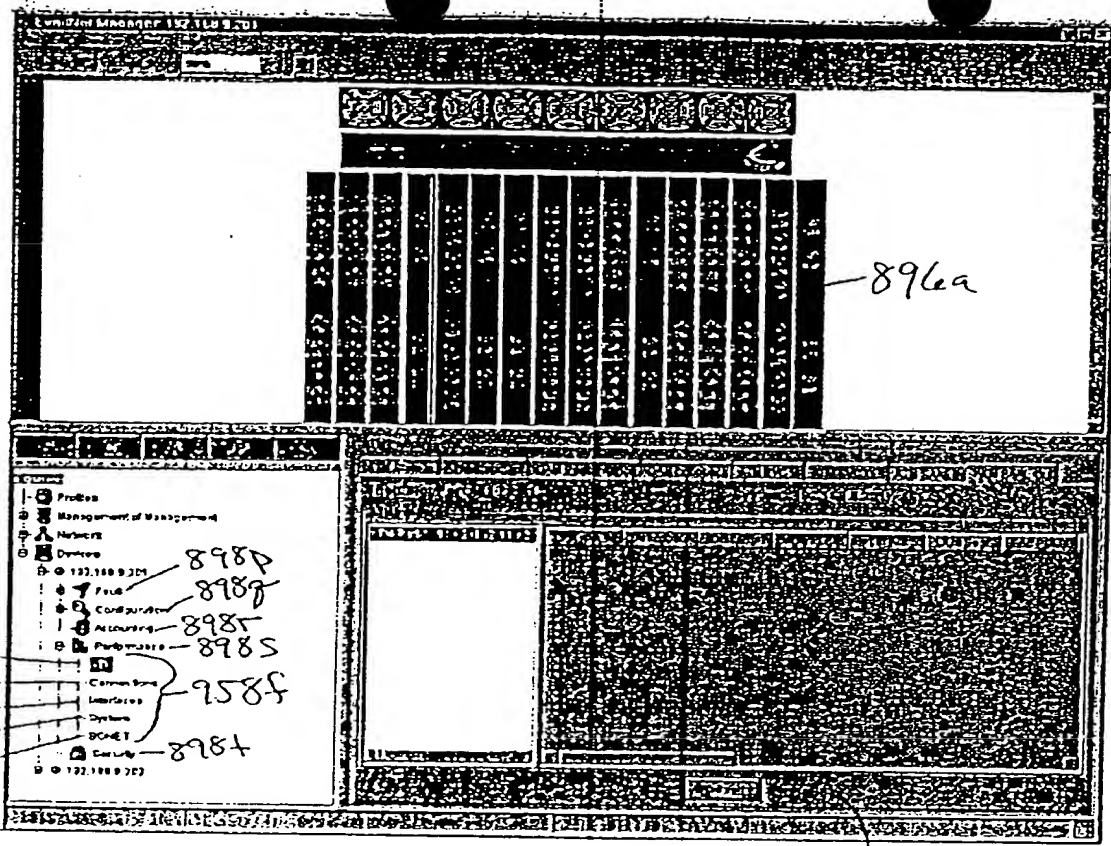


Fig. 7v

895

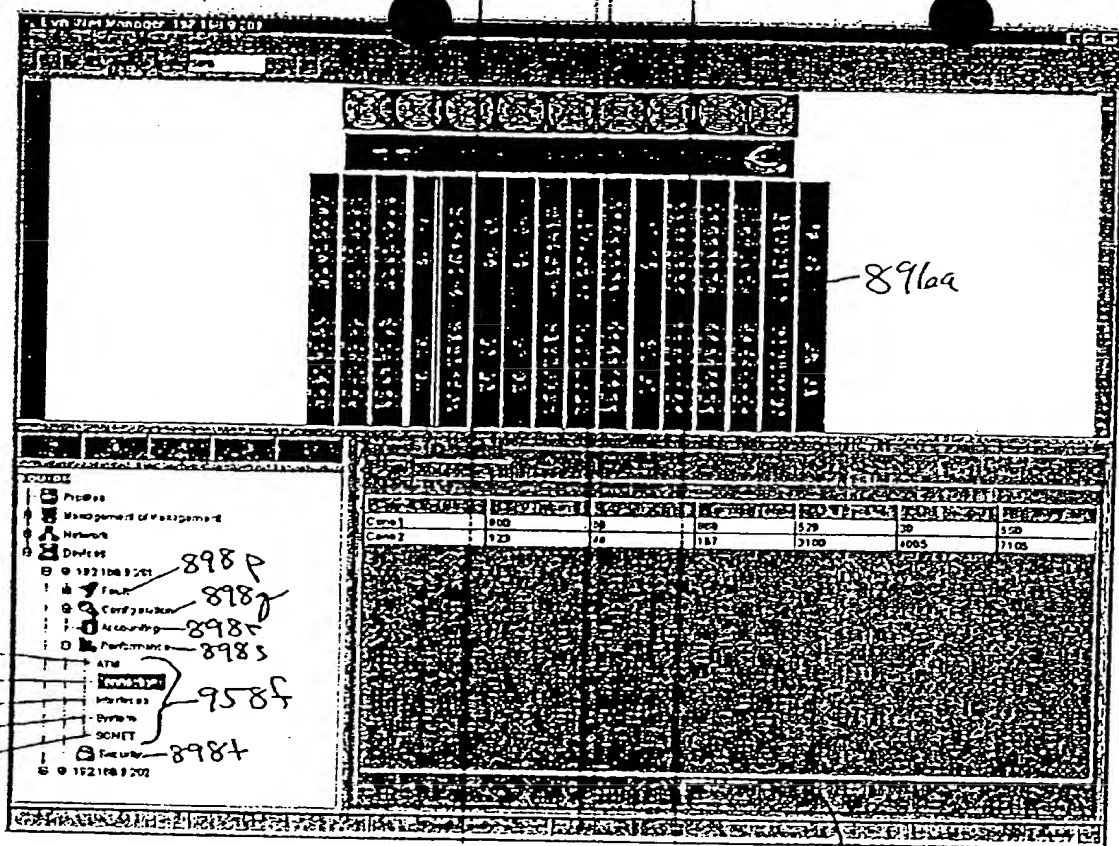
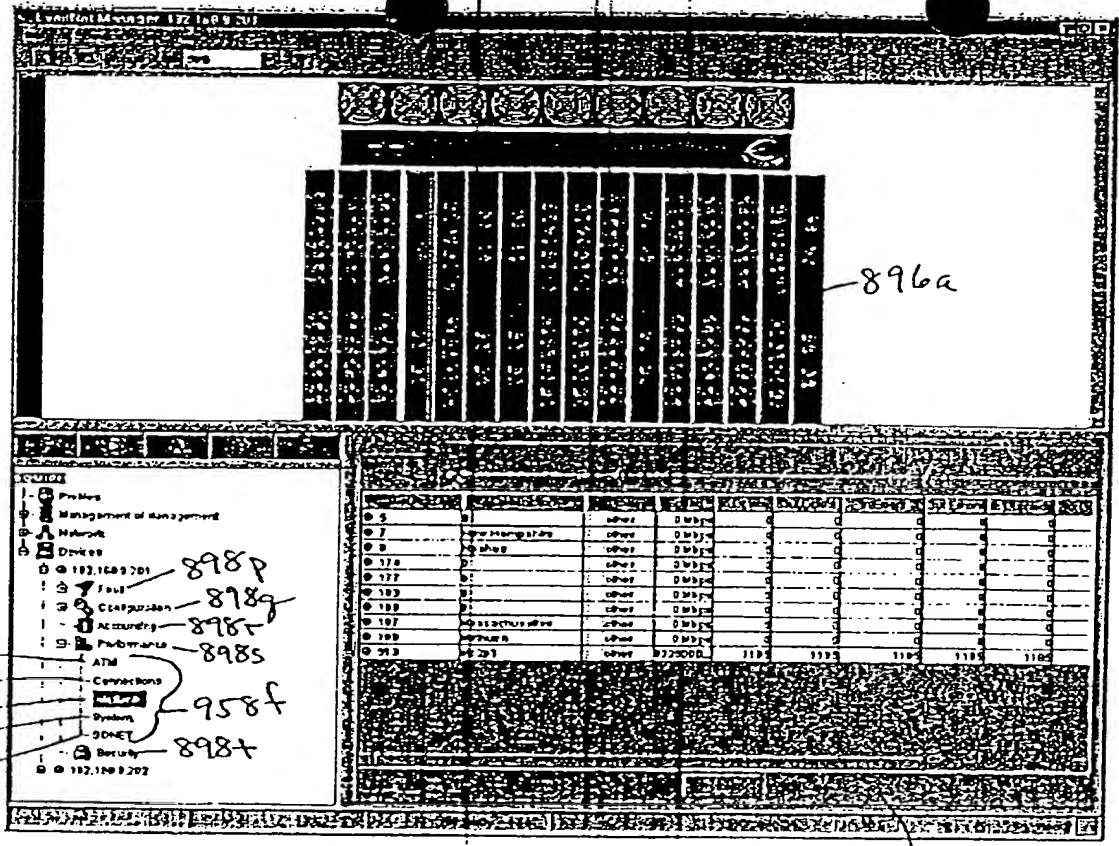


Fig. 7x

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958k

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898q
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898f

Fig. 7y

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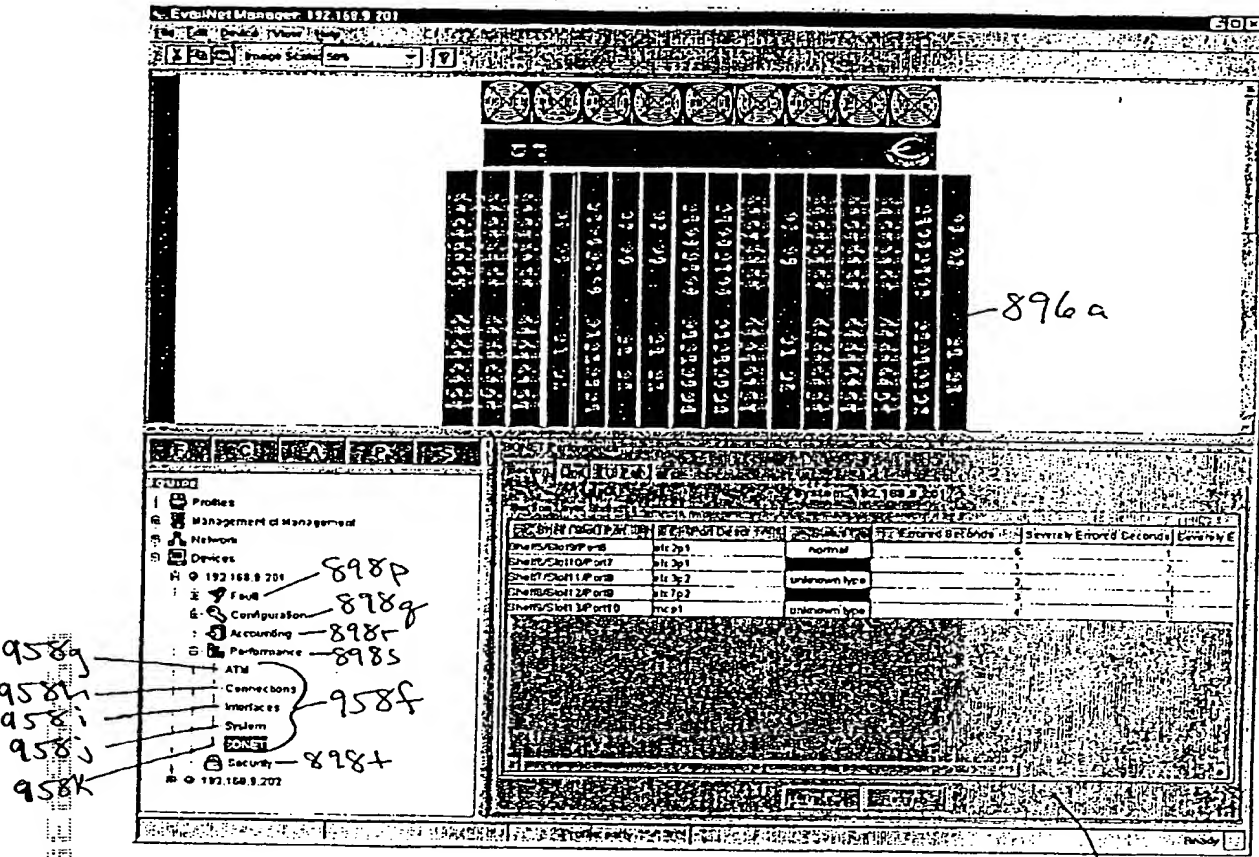
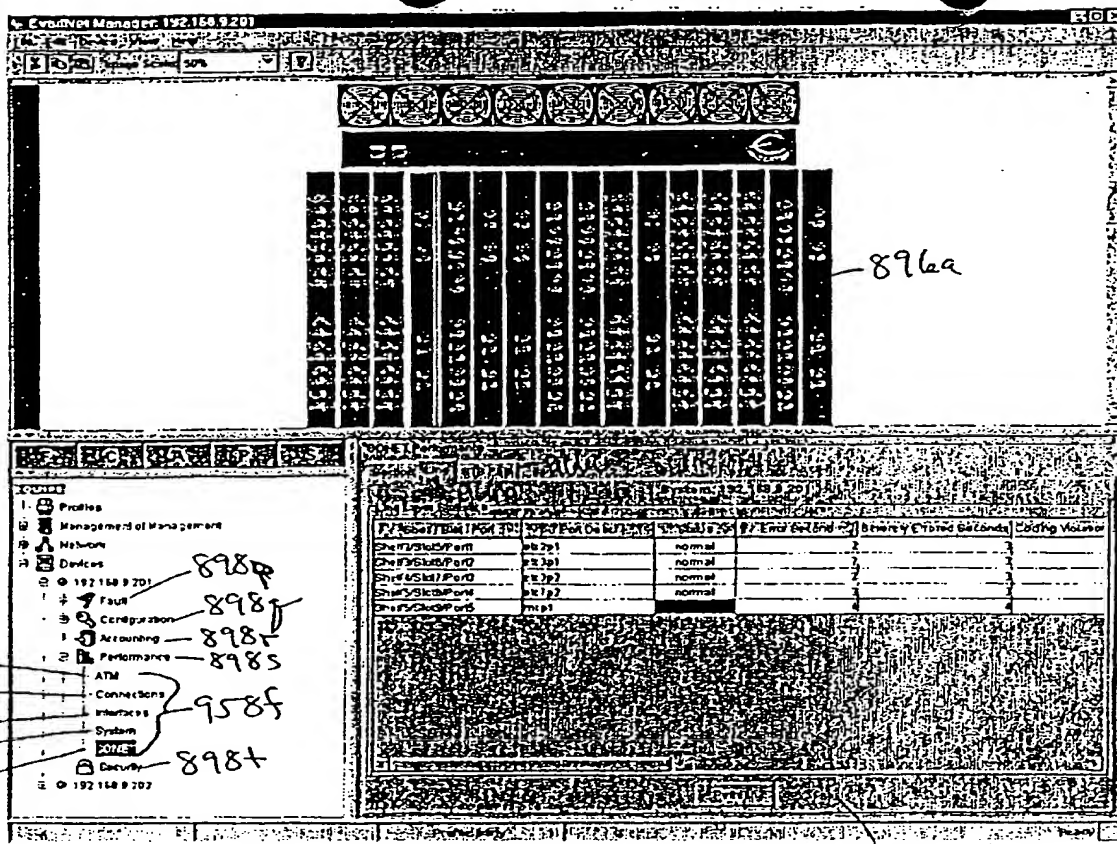


Fig. 8a

895



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898f
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898s
898t

897

Fig. 8b

895

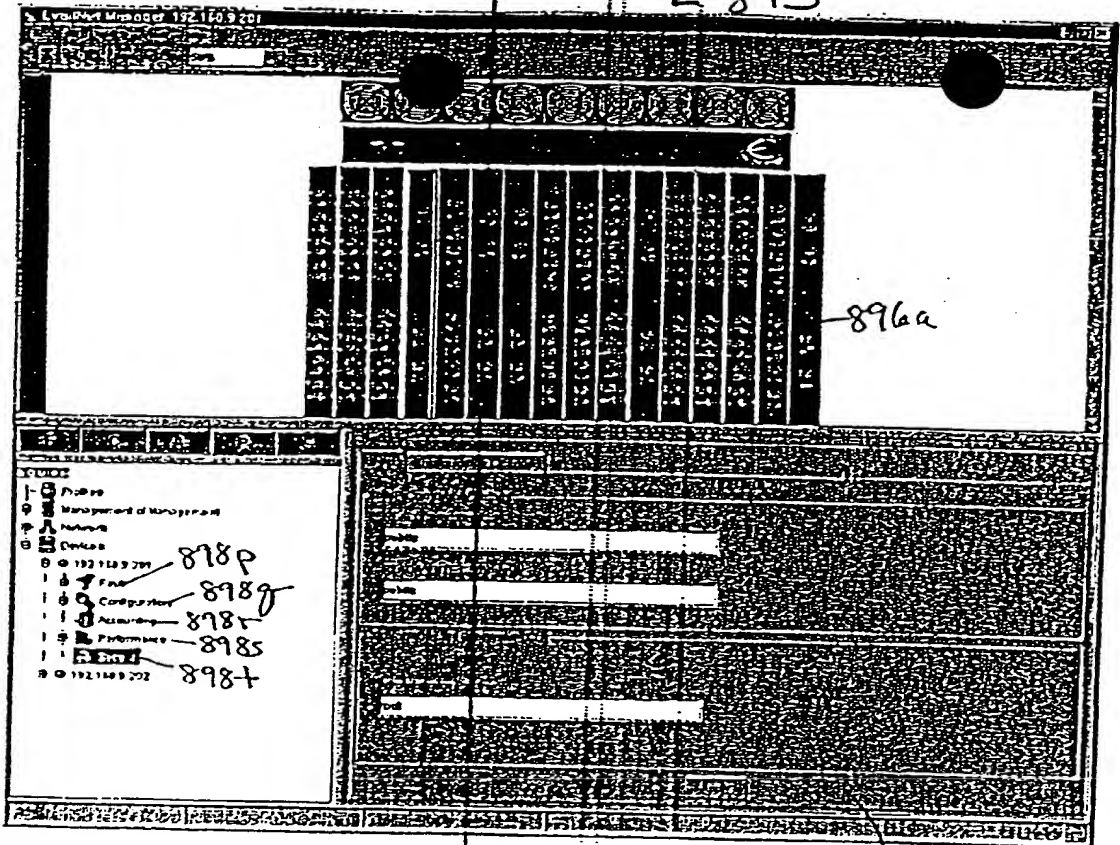
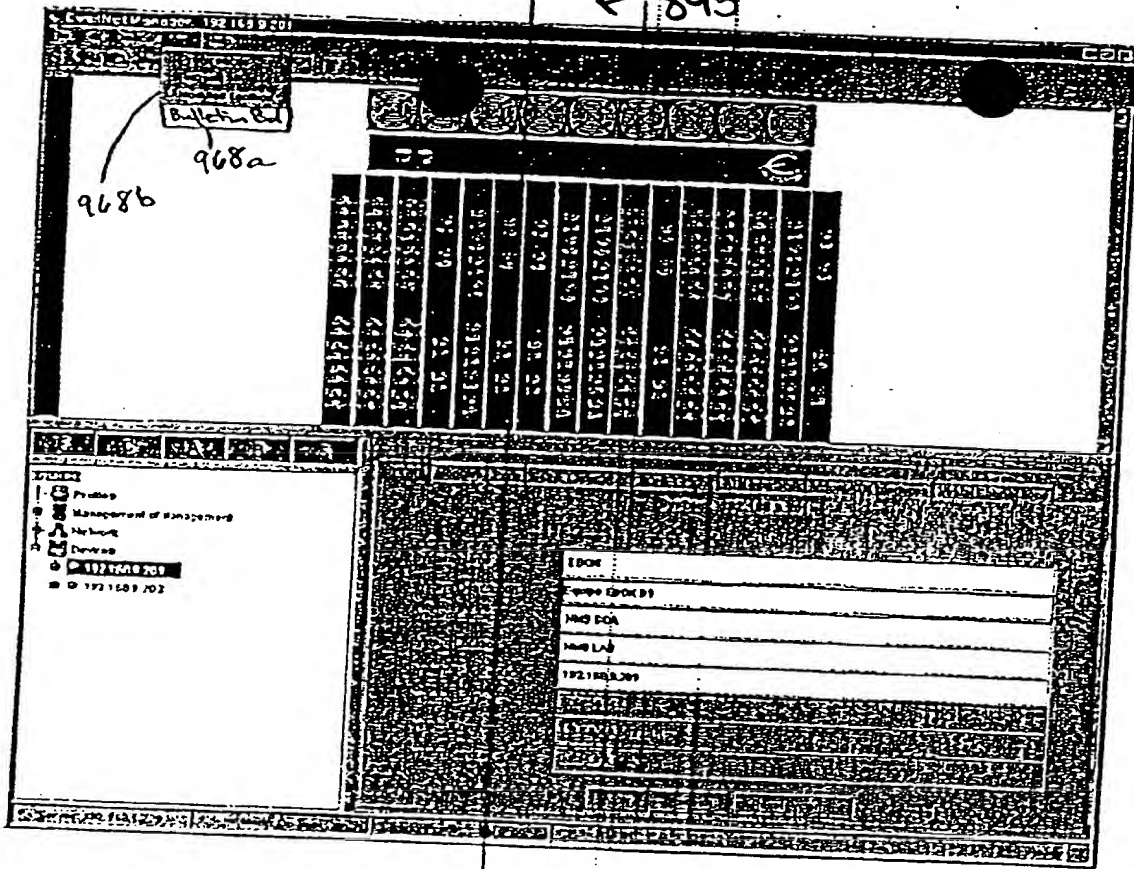


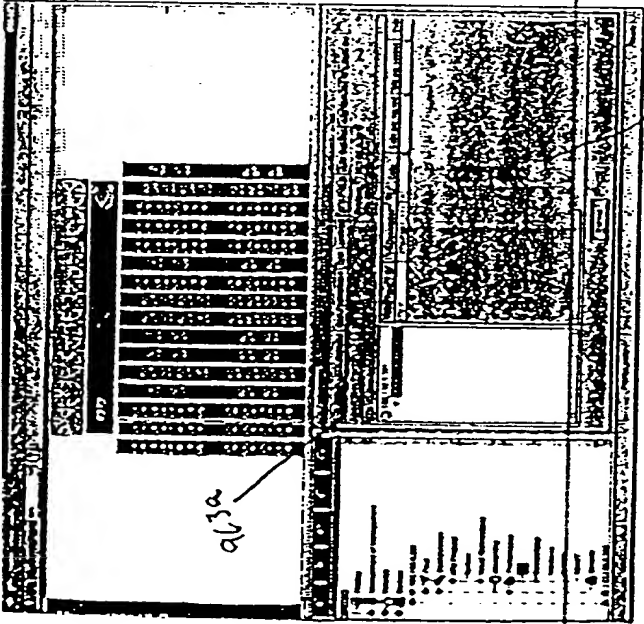
Fig. 8d

[illegible]

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895 →



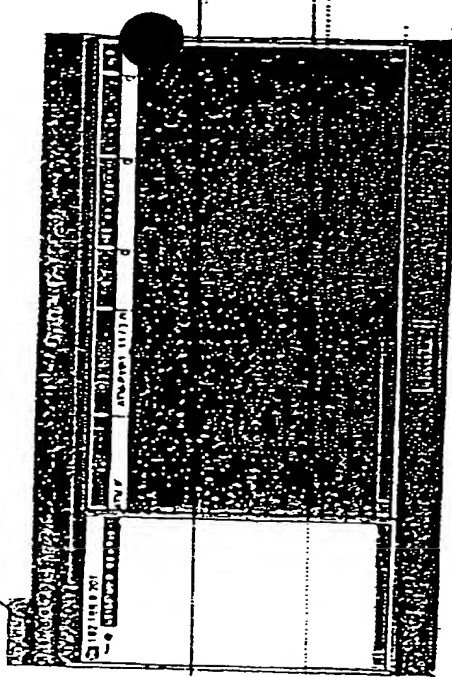
963a

969a

971c ← 970a

971c

971g 971b 971a



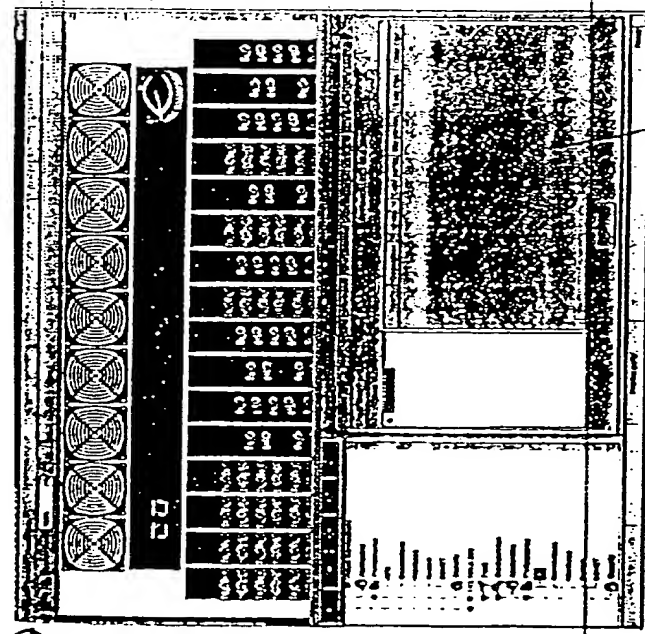
963a

971d

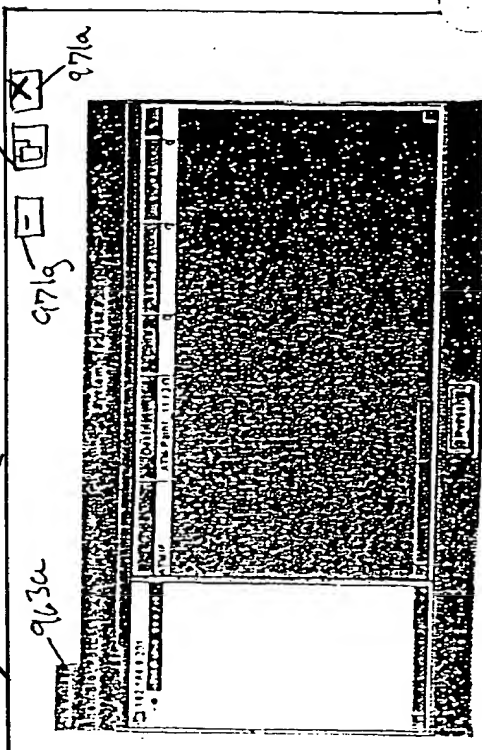
Fig. 9b

971c

971c



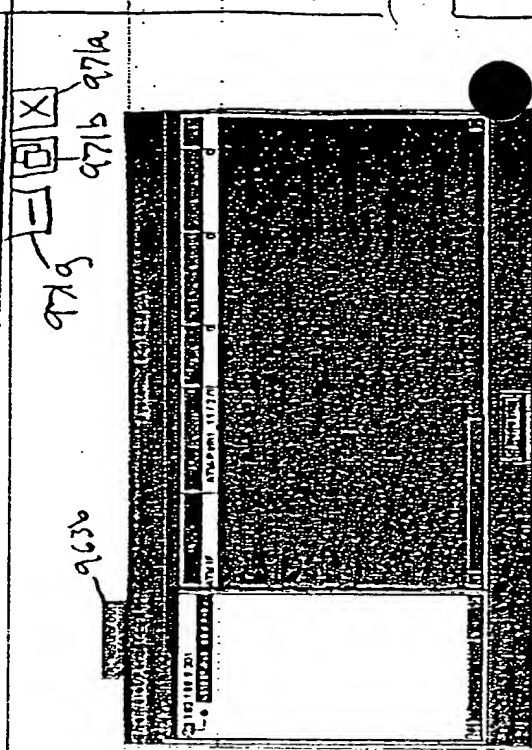
895



963a

971g

971a



963b

971g

971b 971a

Fig. 9c

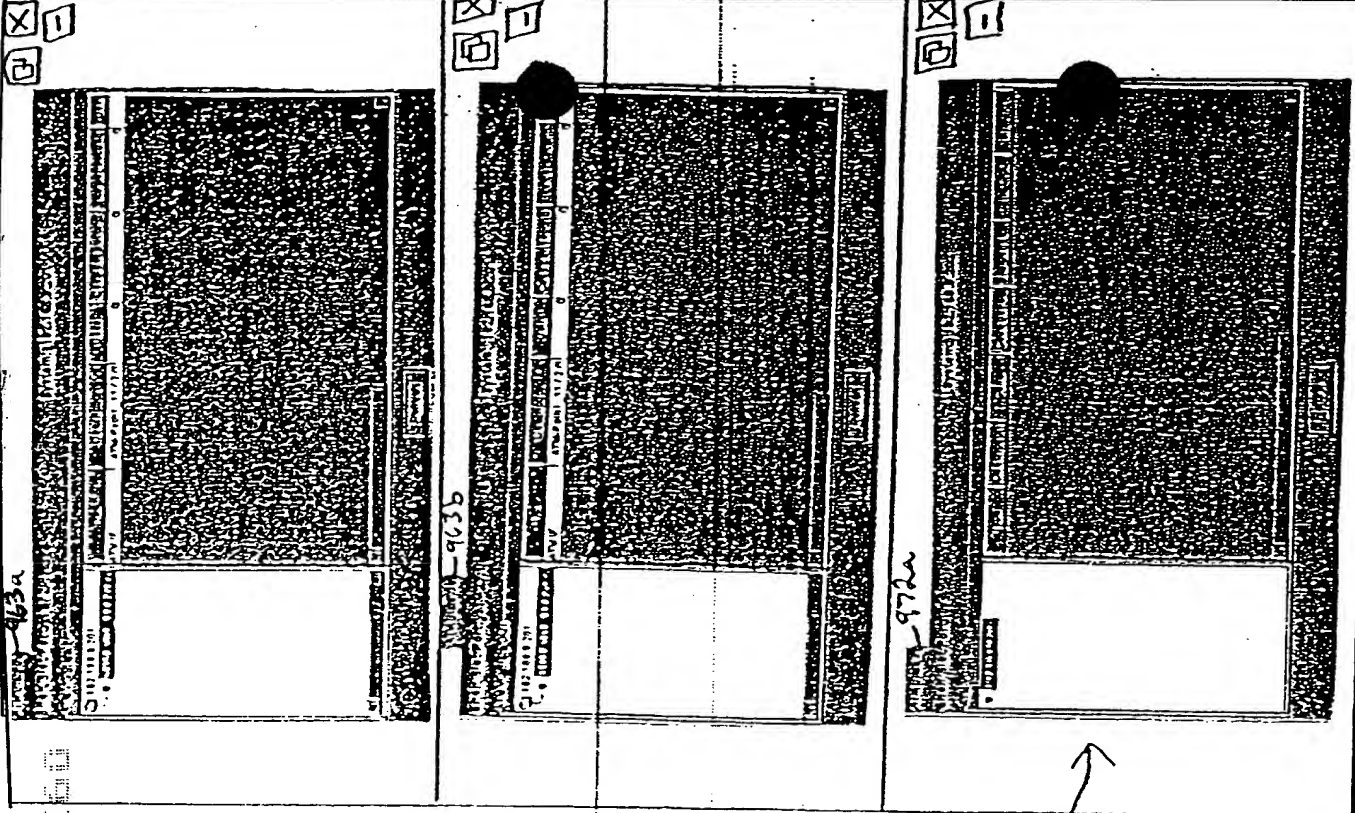
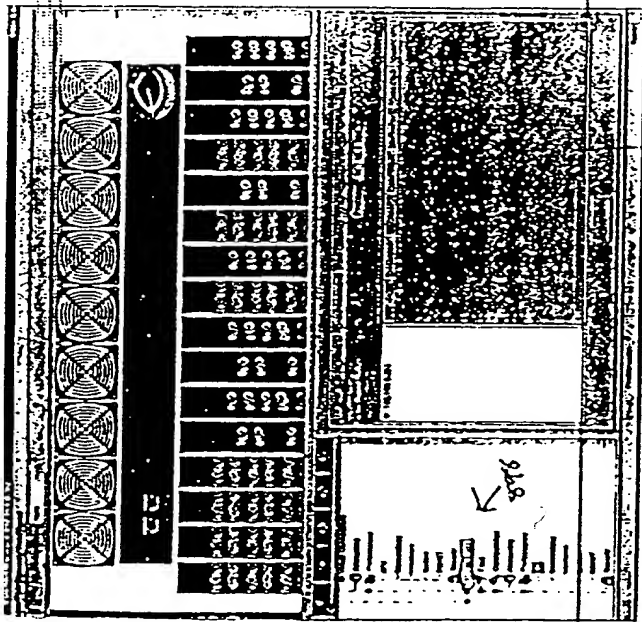
969b

971d

971c

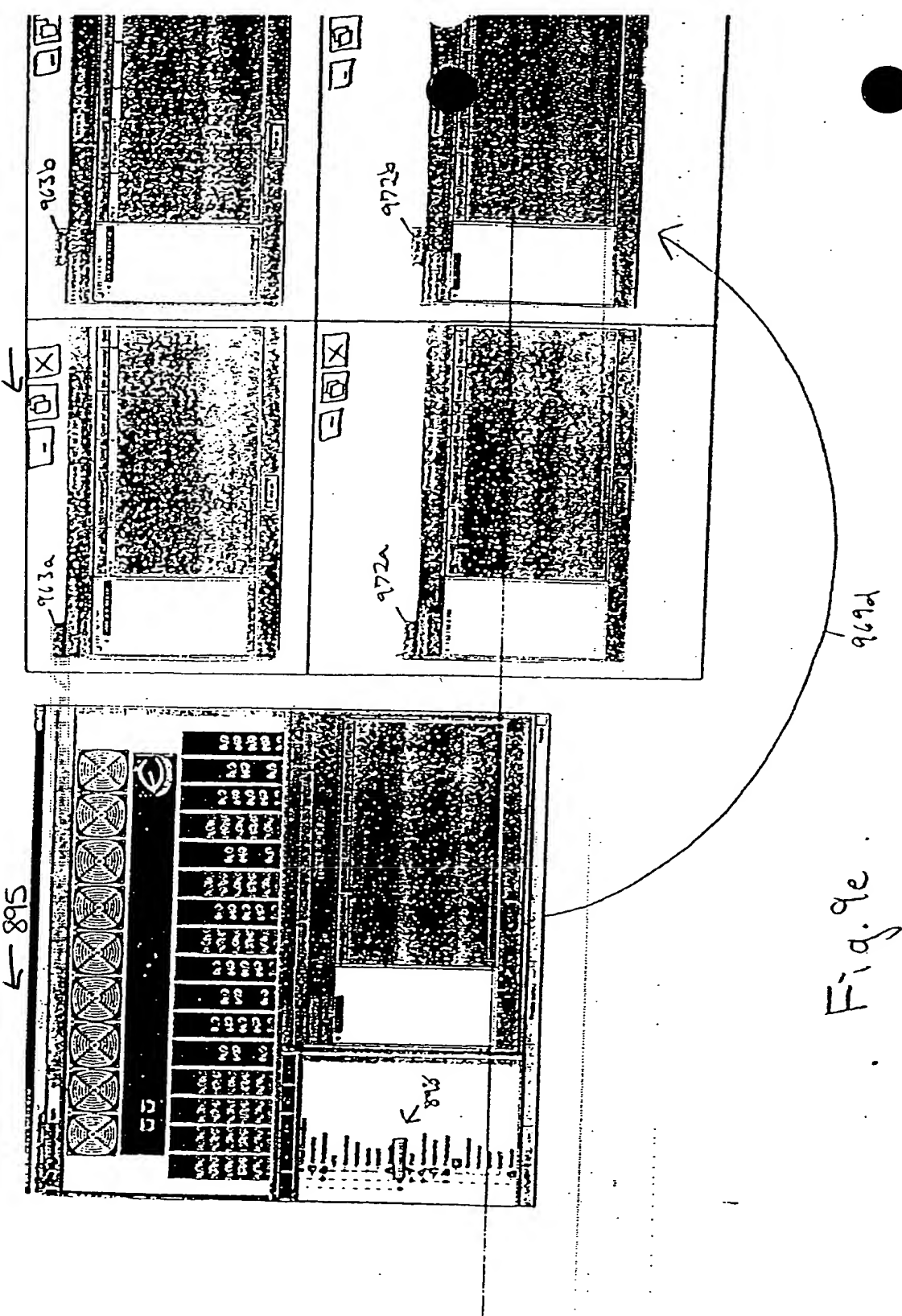
971f

898 →



969c

Fig. 9d



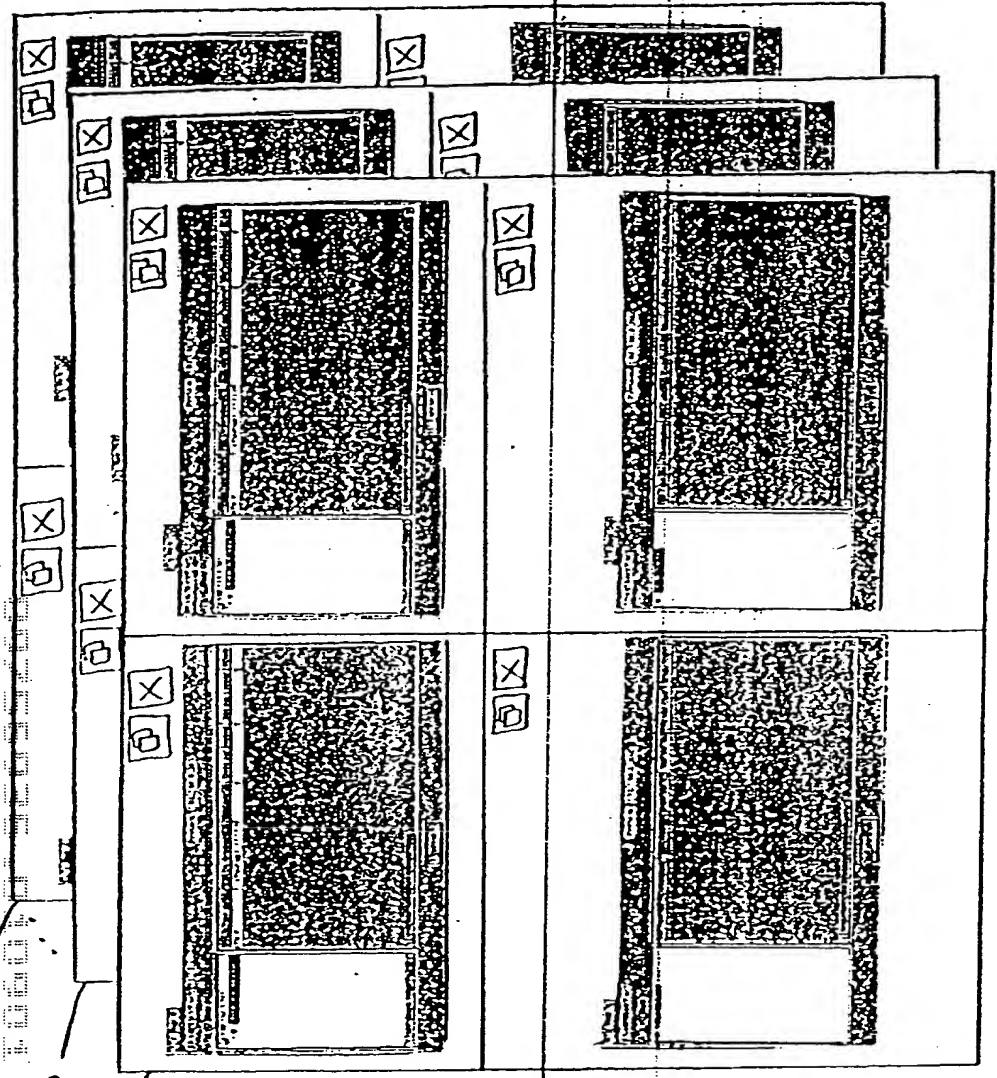
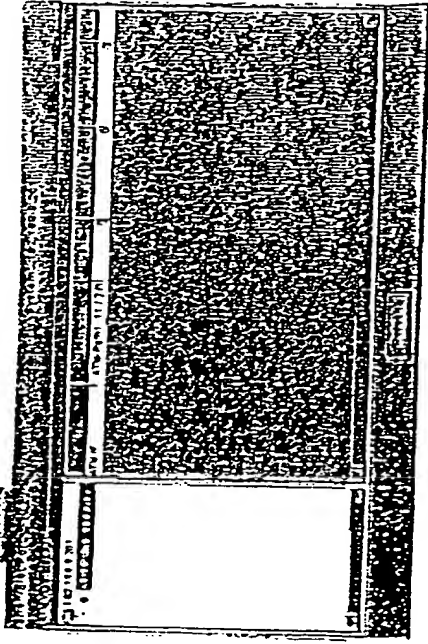
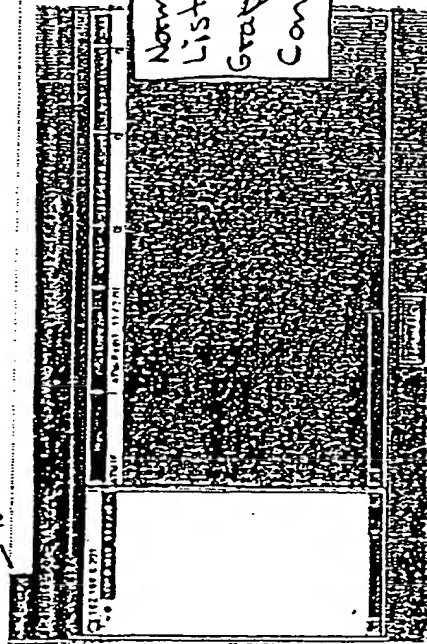


Fig. 9.

FIG. 9g



9/3a

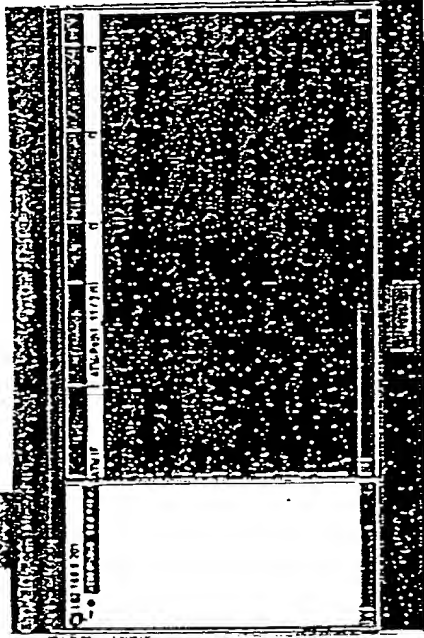


973

Normal — 973a
List — 973b
Graph — 973c
Config — 973d

Fig. 9g

☐ ☐ ☐

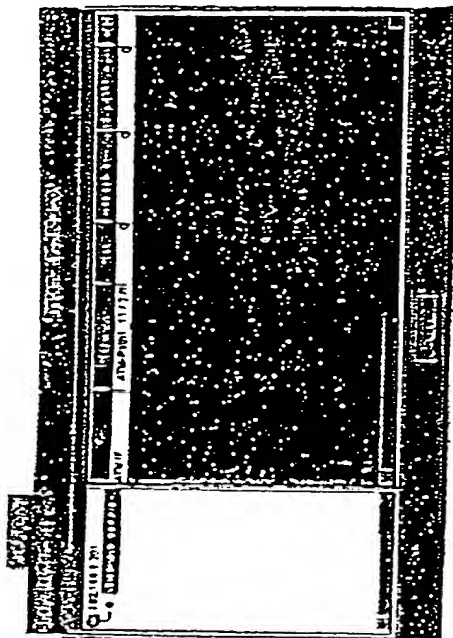


☐ ☐ ☐

• • •

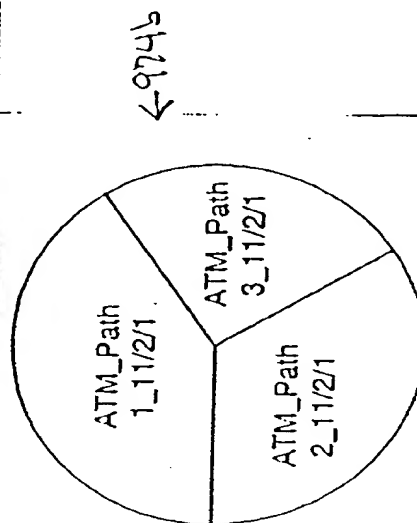
974a

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[illegible]

☐ ☐ ☐

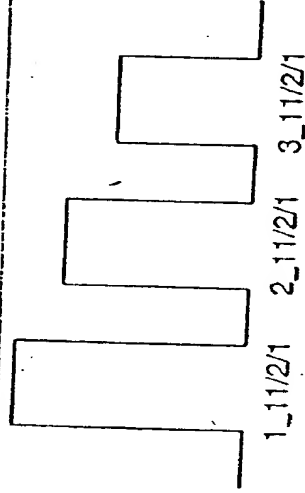
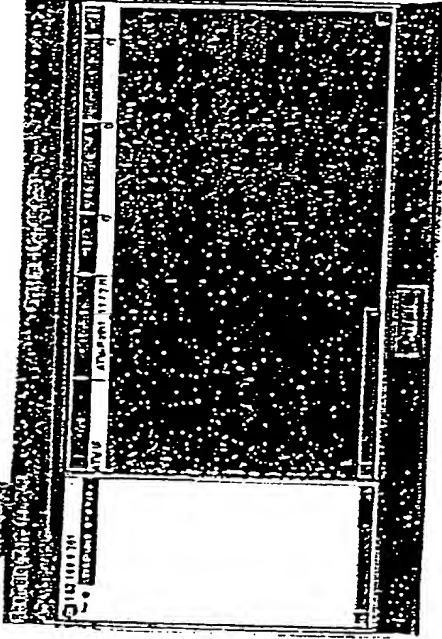
Cells Per Second



← 9746

५०

☒ 1
☒ 2
☒ 3

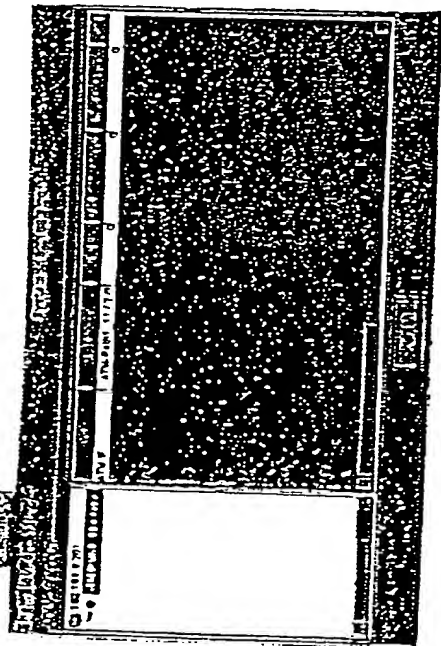


11-25

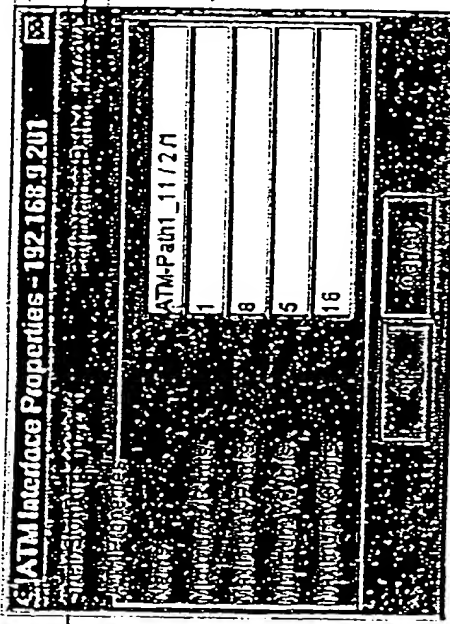
ATM_Path
Cells Per Second

X
D
-

100100-9699200



X
D
-



9748

Fig. 9K

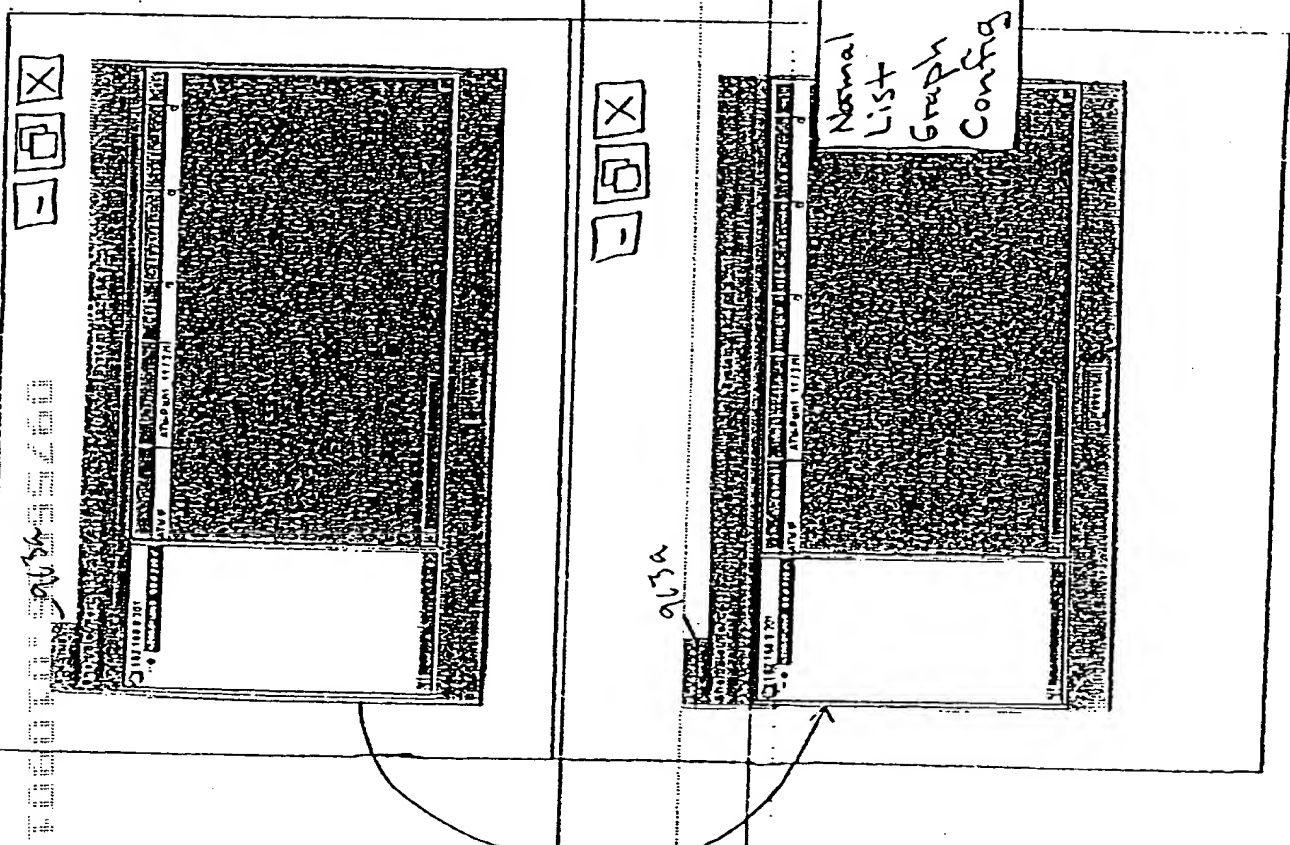
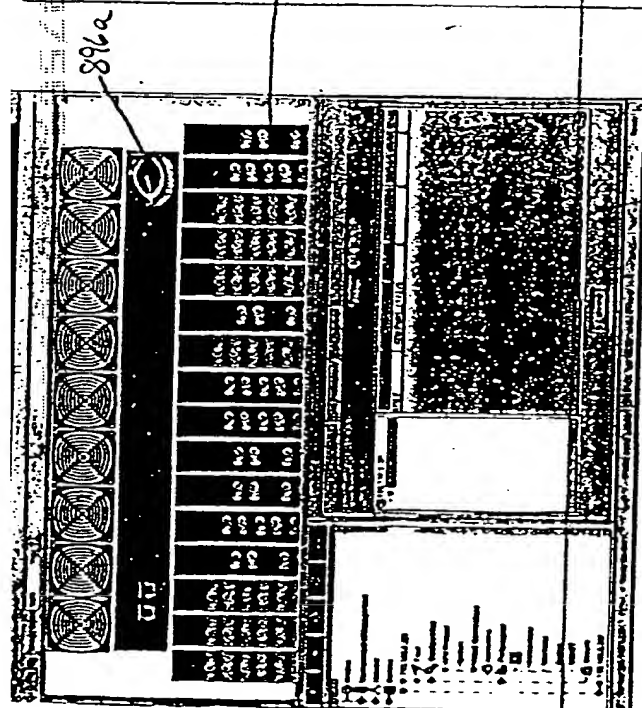
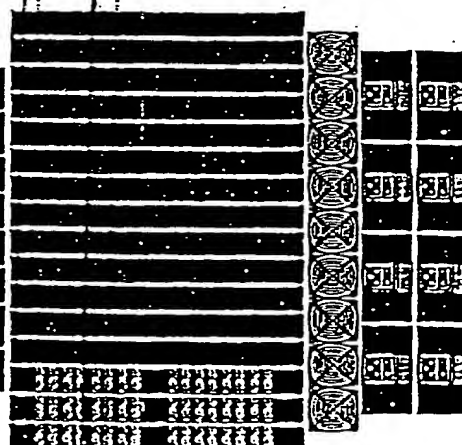
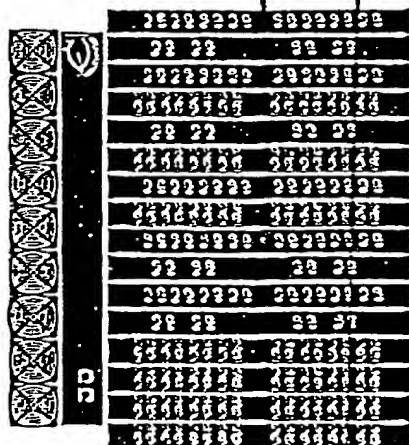


Fig. 91

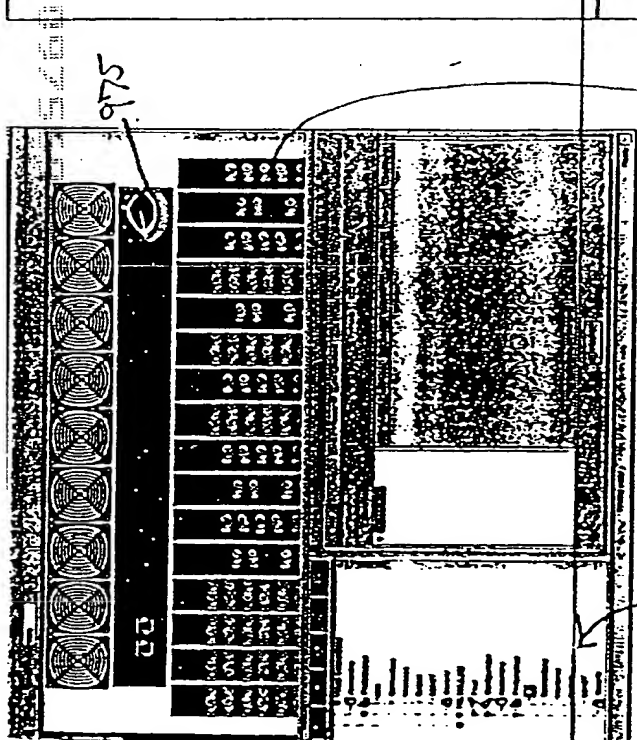
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896a

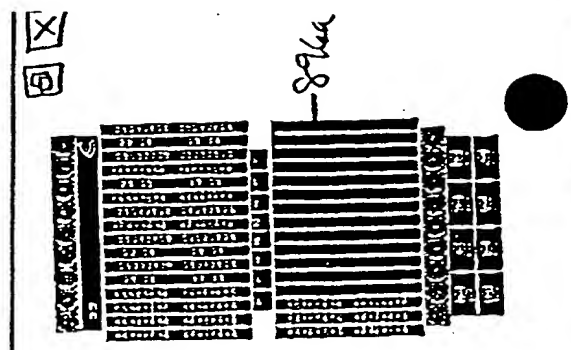


U. S. S. R.

897



System:
192.168.9.201



System:
192.168.9.202

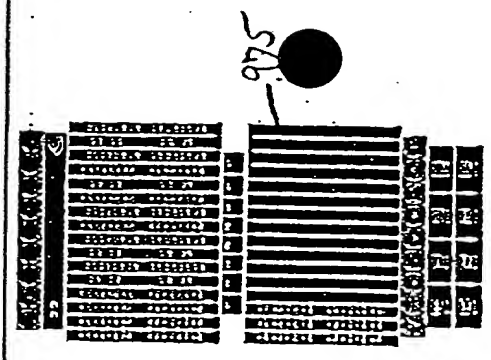


Fig. 9n

898

9699

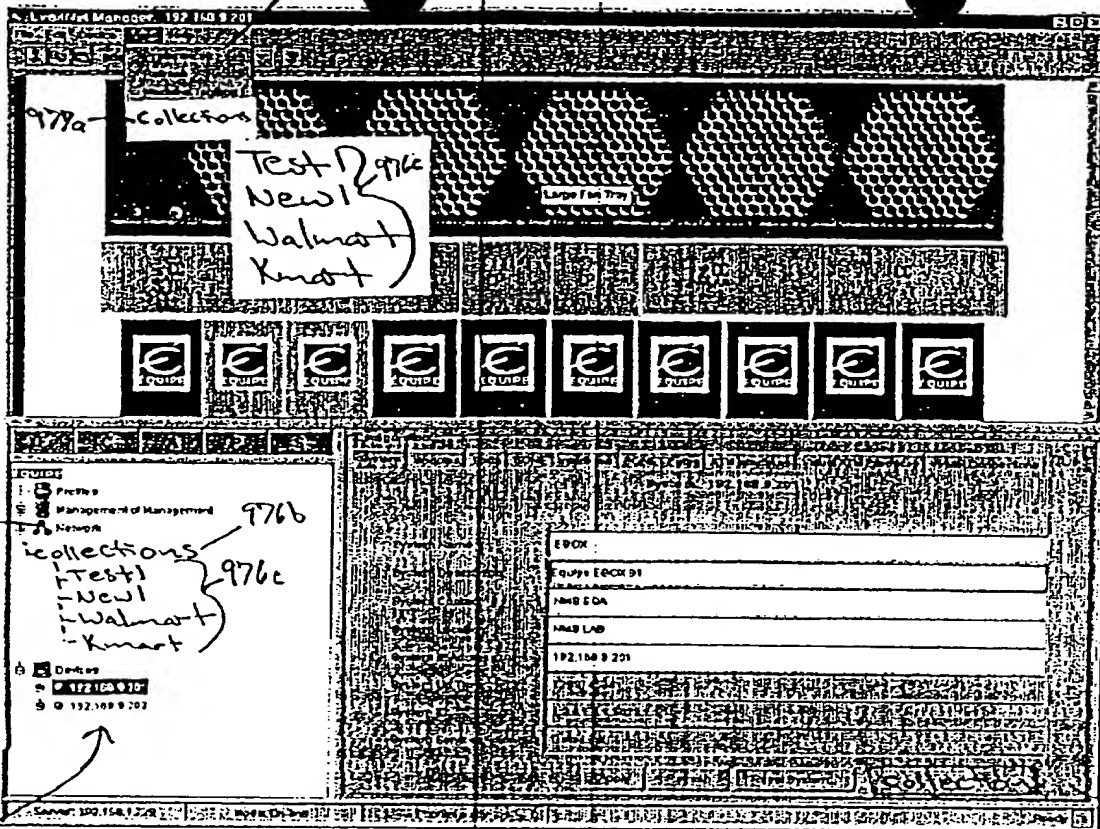


Fig. 10a

895

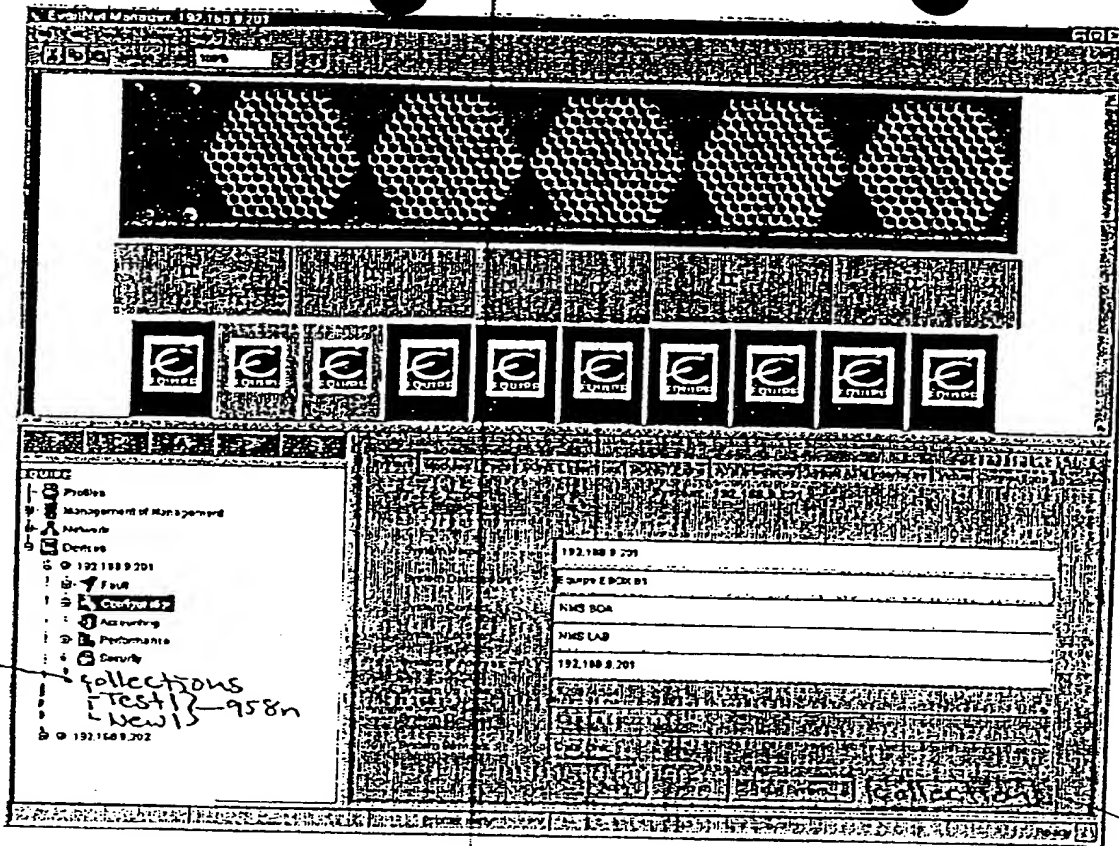


Fig. 10b

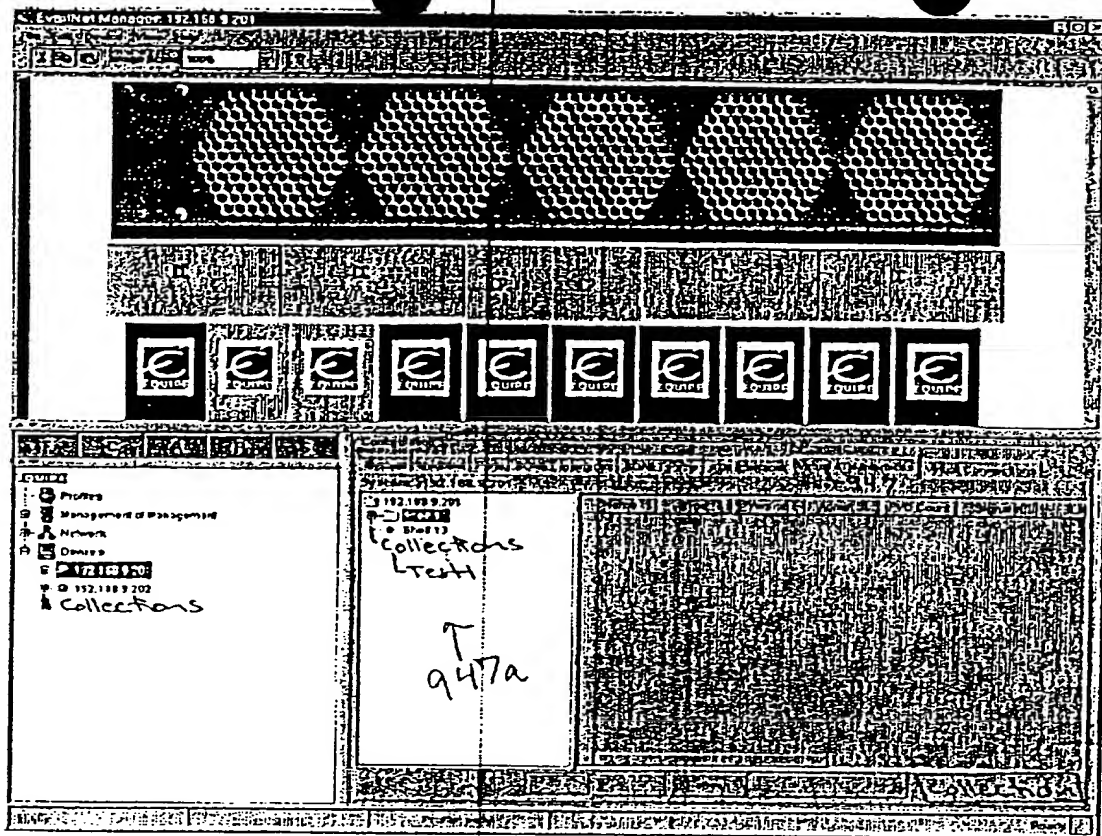


Fig. 10c

895

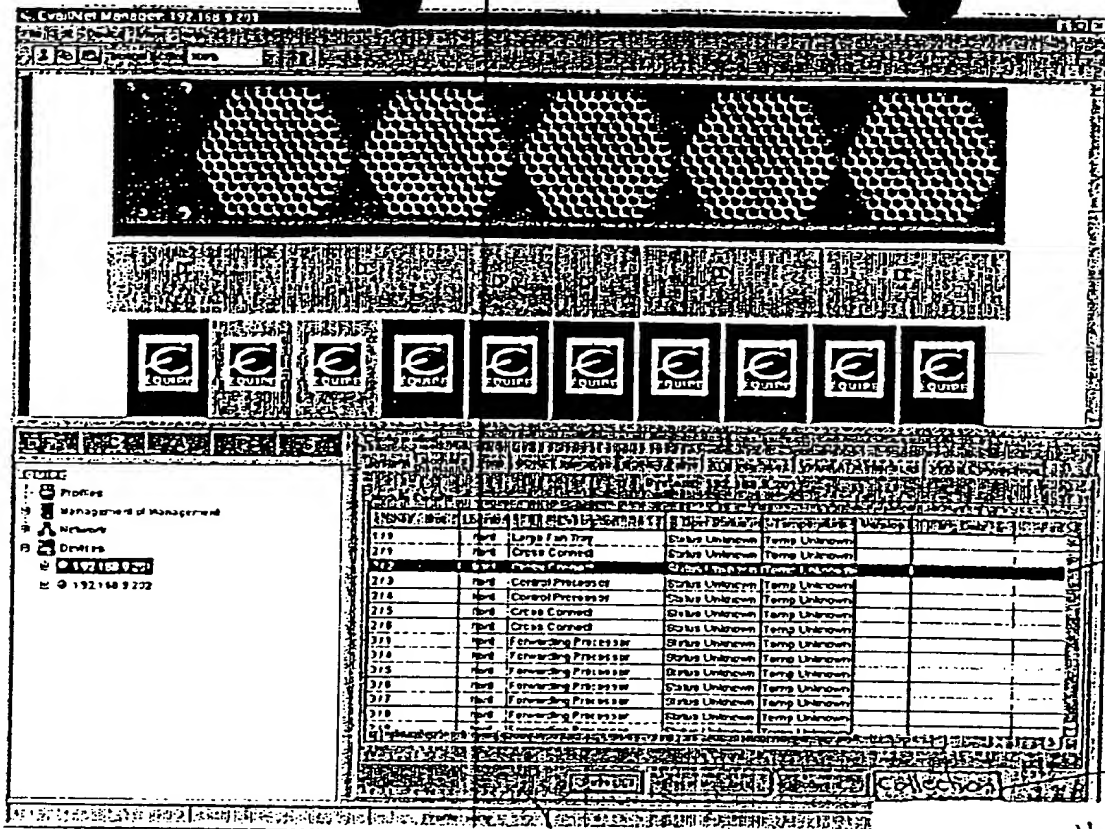


Fig. 10d

897

Add to Collection
New Collection

979c

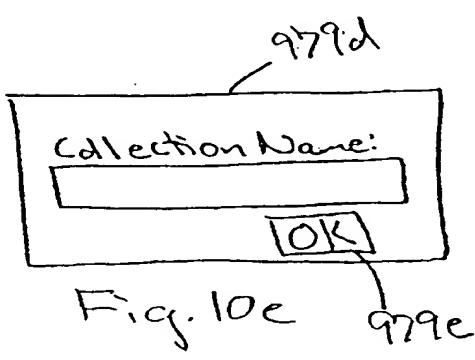


Fig. 10e

979e

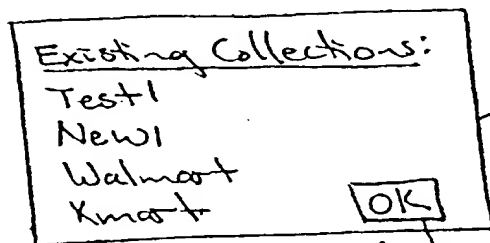


Fig. 10f

979f

979g

978a

979a
979b

895

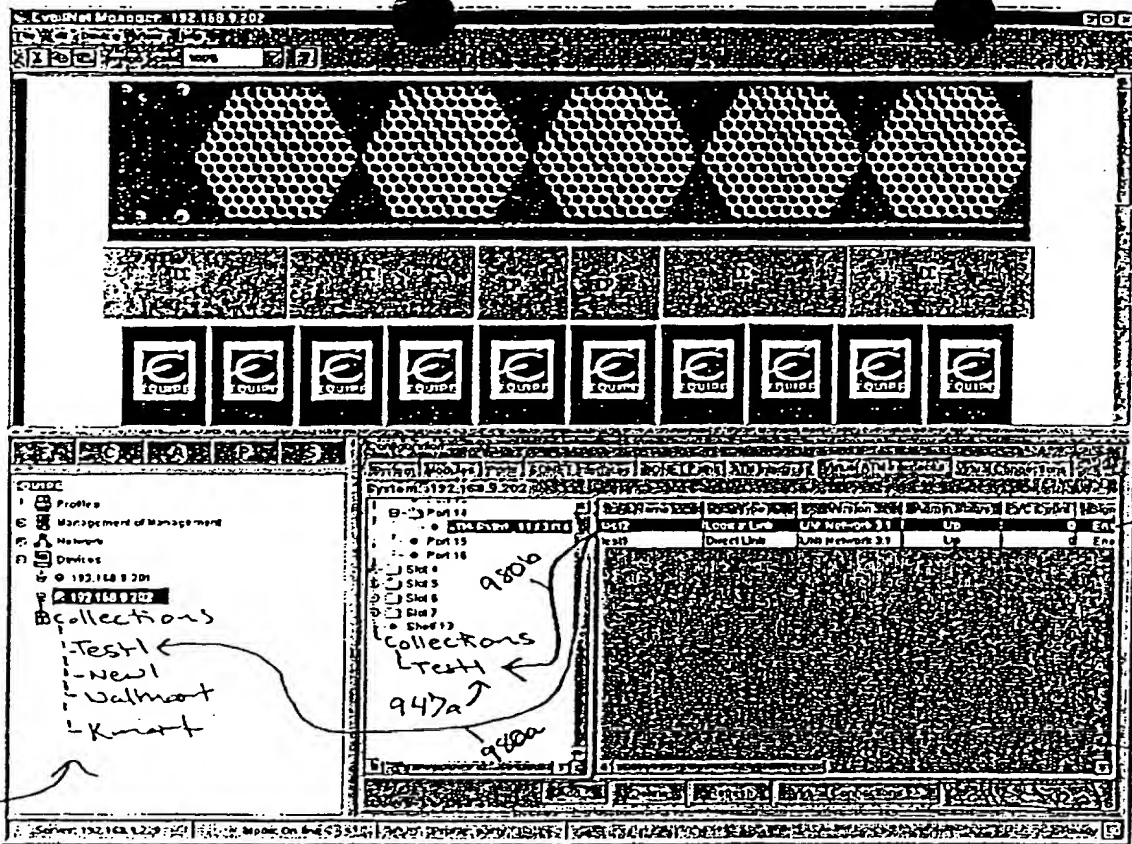


Fig. 10g

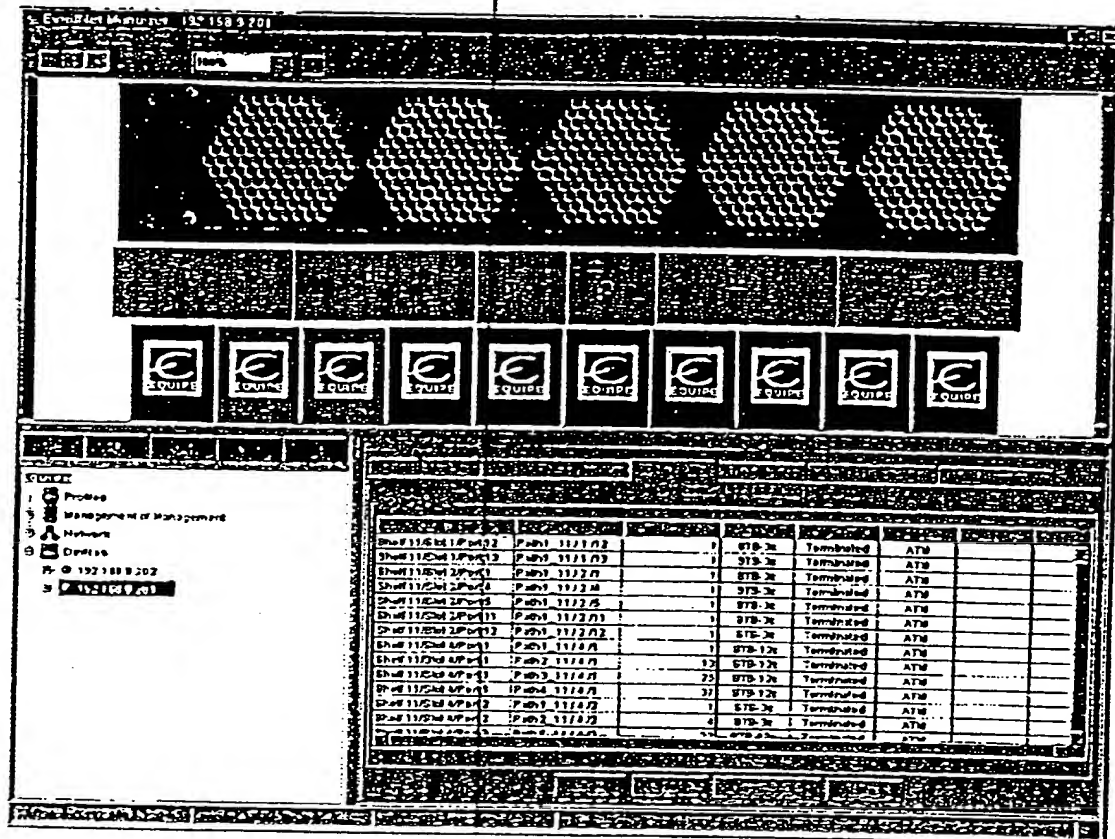
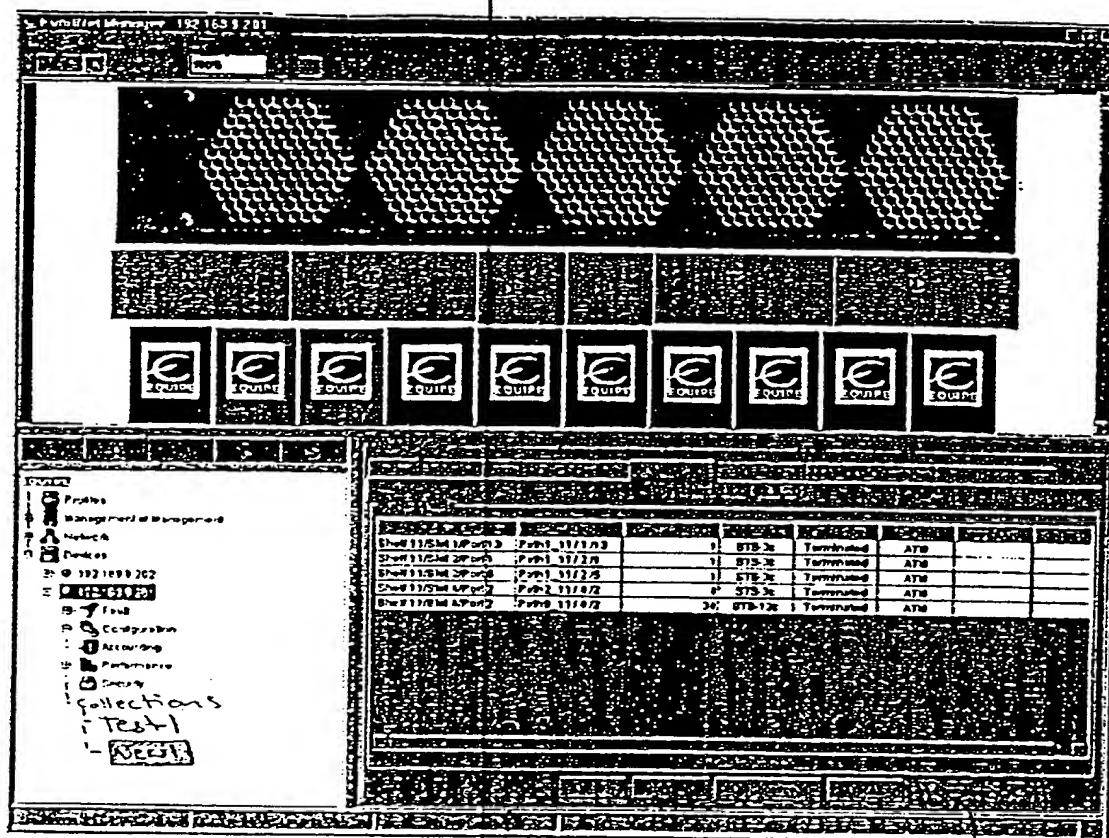


Fig. 10h

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---



982

Fig. 10:

904

Name	Description	Security	Time	Primary IP	Secondary IP
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.37
Wam	Wam Arab	Provisional	15	TeamServer1:192.168.1.32	TeamServer2:192.168.1.32

905

906

Fig. 11a

2025-09-15 14:43:00

907

General

Username: Kevin

Description: Kevin Snow user account

Group Name: Equipe

Group Level Access:

Password: *****

Confirm Password: *****

Policies

☒ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15 Minutes

Servers

Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.221

Secondary Server Port: 6503

Devices

Device	READ	READ/WRITE	Retry	Timeout	Add	Delete
192.168.9.202	public	equipe	3	5		
192.168.9.205	public	equipe	3	5		
192.168.9.216	public	equipe	3	5		

OK Cancel

Fig. 11b

Fig. 11c

General Policies Servers Devices

Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.205

Secondary Server Port: 6503

OK Cancel

908+

General Policies Servers Devices

Device	READ	READWRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	5	162
192.168.9.205	public	equipe	3	5	162
192.168.9.216	public	equipe	3	5	5012

OK Cancel

Fig. 11d

908+


Figlle

The screenshot shows the 'User Manager for Domains' dialog box with the 'General' tab active. The fields are filled as follows:

Field	Value
Username:	Kevin
Description:	Kevin Snow user account
Customer Name:	Equipe
Group Level Access:	[Dropdown menu]
Password:	[Masked]
Confirm Password:	[Masked]

Buttons: OK, Cancel

9084



General Policies Servers Devices

☒ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15 Minutes

OK Cancel

-9084

Fig. 11f

User Preferences

Show

☒ Tooltips

☒ Horizontal Grid Lines on Tables

☒ Vertical Grid Lines on Tables

☒ Bookmarks

Look and Feel

☒ Use System Look and Feel

☐ Use Java Look and Feel

OK

Cancel

Fig. 11g

00756936 040000

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 108h

☐ Account Disabled 108i

☒ User Can Add Devices 108j

User Session Timeout: 15 908k Minutes

Servers

Primary Server: 192.168.1.220 908L

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READWRITE	Retry	Timeout		Add	Delete
192.168.9.202	public	equipe	3	5			
Group List							
19	Walmart-East						
19	Walmart-West						
	Kmart 1						
	seas-northeast						

108g

1000a

1000

Fig. 11h

Fig. 11i

EvailNet Manager: SONET Path Configuration - 11 / 8 / 5

Path: 11 / 8 / 5

Path Name: Path1_11 / 8 / 5

Path Type: STS-3c

Path Status: Terminated

Path Termination: ATM

Path Length: 1

Path Cost: 1002d

Path Priority: 1

Path Bandwidth: 1002b

Path Delay: 1002c

Path Jitter: 1002e

Path Loss: 1002f

Path Error Rate: 1002g

Path Availability: 1002h

Path Reliability: 1002i

Path Security: 1002j

Path Compliance: 1002k

Path Audit: 1002l

Path Reporting: 1002m

Path Archiving: 1002n

Path Backup: 1002o

Path Restore: 1002p

Path Delete: 1002q

Path Cancel: 1002r

Path Help: 1002s

EvailNet Manager: SONET Path Configuration - 11 / 8 / 5

Path: 11 / 8 / 5

Path Name: Path1_11 / 8 / 5

Path Type: STS-3c

Path Status: Terminated

Path Termination: ATM

Path Length: 1

Path Cost: 1002d

Path Priority: 1

Path Bandwidth: 1002b

Path Delay: 1002c

Path Jitter: 1002e

Path Loss: 1002f

Path Error Rate: 1002g

Path Availability: 1002h

Path Reliability: 1002i

Path Security: 1002j

Path Compliance: 1002k

Path Audit: 1002l

Path Reporting: 1002m

Path Archiving: 1002n

Path Backup: 1002o

Path Restore: 1002p

Path Delete: 1002q

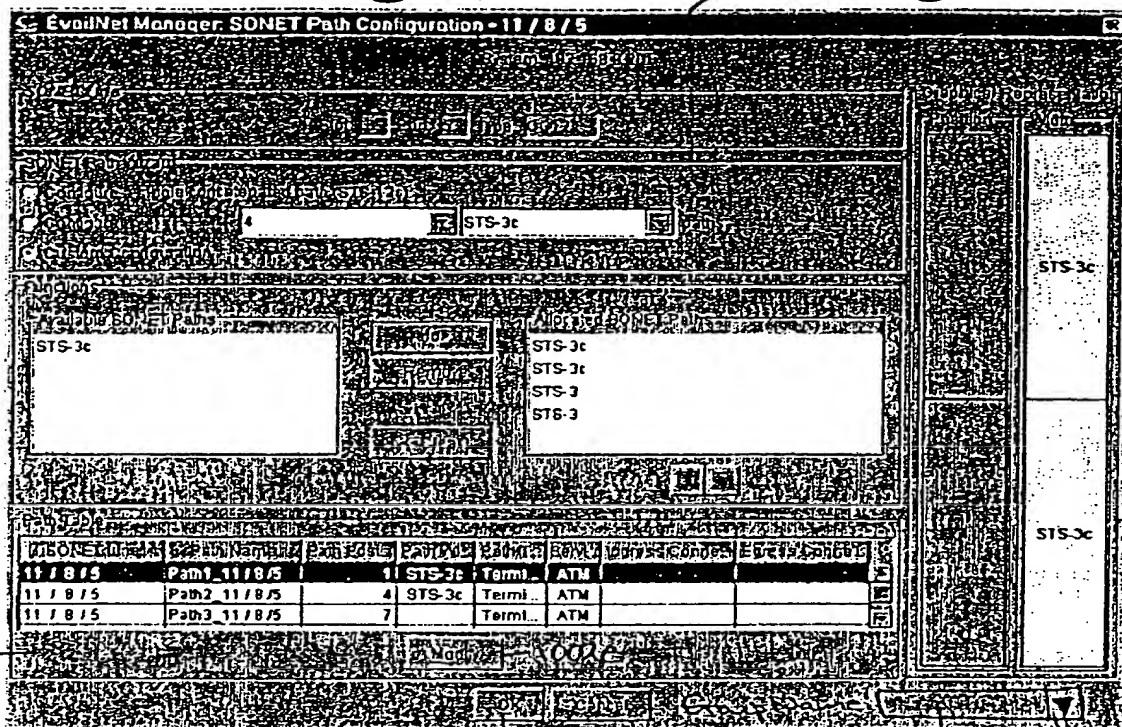
Path Cancel: 1002r

Path Help: 1002s

Fig. 11j

Fig. 11K

1002

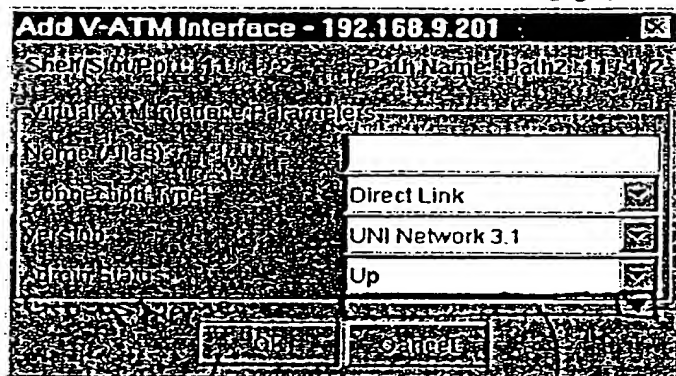


1002a

1002d

1002b

1002c



1004

1004b

1004c

Fig. 11n

1004a

Fig. 11L

Managed Resource Group Table

1008

1008a

1008b

1008c

1008d

LID	Managed Device PID	Group Name
1145	1	Walmart-East
⋮	⋮	⋮

Fig. 11M

Managed Resource Table

1007

1007a

1007b

1007c

LID	Resource LID	Manage Resource Group LID
4443	901	1145
⋮	⋮	⋮

1006

EvailNet Manager. 192.168.9.201 - Virtual Connection Wizard

Source: 192.168.9.201 Destination: 192.168.9.201

Endpoint 1

- 192.168.9.201
 - Shelf 11
 - Slot 1
 - Slot 2
 - Slot 3
 - Slot 4
 - Port 1
 - Port 2
 - ATM-Path2_11/4/2**

Endpoint 2

- 192.168.9.201
 - Shelf 11
 - Shelf 13

Connection Parameters

Connection Name: _____

Admin Status: Up ☐

Group Name: _____ **GROUP EST**

Endpoint Parameters

VR: _____ ☐ Use Any VR Value

VR: _____ ☐ Use Any VR Value

Transmit Frame Description: _____ ☒ Add Frame Description

Receive Frame Description: _____ ☒ Add Frame Description

☒ Use the same frame description for both transmit and receive

Endpoint Parameters

VR: _____ ☐ Use Any VR Value

VR: _____ ☐ Use Any VR Value

Transmit Frame Description: _____ ☒ Add Frame Description

Receive Frame Description: _____ ☒ Add Frame Description

☒ Use the same frame description for both transmit and receive

Back Cancel Finish

1006a

1006b

00766936 0109001

1006c

Fig. 110

Fig. 11p

User Table

1010

LID	Username	Password	Group Level Access
2012	Dave	Marble	Provisioner
⋮	⋮	⋮	

1010a points to the first row of the table.

1010b points to the Username column.

1010c points to the Password column.

1010d points to the Group Level Access column.

1010e points to the Provisioner value in the first row.

Fig. 11q

User Managed Device Table

1012

LID	User LID	Host LID	Retry	Timeout
7892	2012	9046		
⋮	⋮	⋮	⋮	⋮

1012a points to the first row of the table.

1012b points to the User LID column.

1012c points to the Host LID column.

1012d points to the Retry column.

1012e points to the Timeout column.

Fig. 11r

Administration Managed Device Table

1014

LID	Host Address	Port Address	Retry	Timeout	Admin. Password	Prov. Password	Viewer Password
9046	192.168.9.202	1521			team 1	team 2	team 3
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

1014a points to the first row of the table.

1014b points to the Host Address column.

1014c points to the LID column.

1014d points to the Prov. Password column.

1014e points to the Port Address column.

Fig. 11s

1013

Add Delete DeviceDlg

1013a Device Host: 192.168.1.202

1013b Device Port: 1521

1013c SNMP Retry:

1013d SNMP Timeout:

1013e Admin. Password:

1013f Prov. Password:

1013g Viewer Password:

1013h Add

1013i OK Cancel Delete

Fig. 11t

User Resource Group Map Table

1016a	1016b			1016c
	LID	User LID	User Resource Group LID	
	8086	2012	1024	
	⋮	⋮	⋮	

1016

Fig. 11u

User Resource Group Table

1018d	1018a	1018b	1018c	1018
	LID	Host LID	Group Name	
	1024	9046	Walmart-East	
	⋮	⋮	⋮	

Fig. 11v

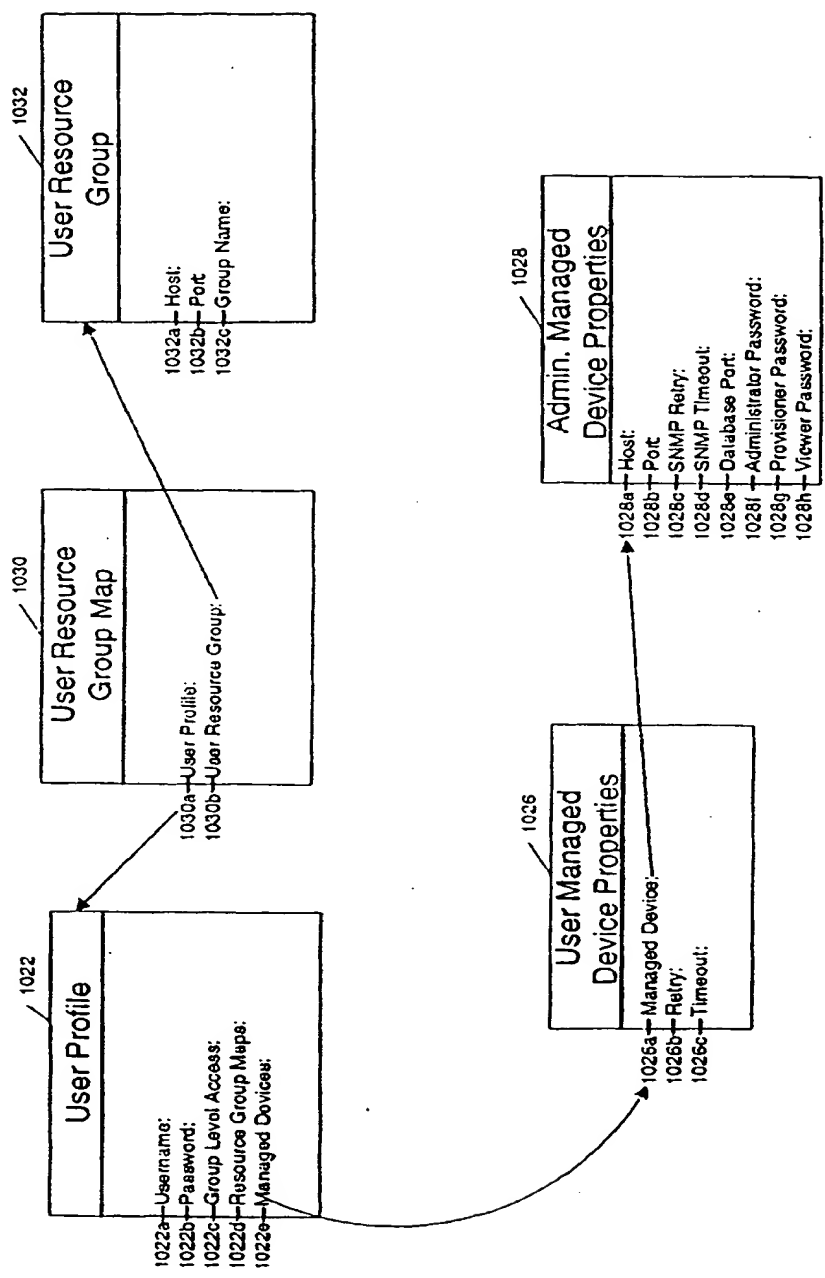


Fig. 11w

FIG. 11w

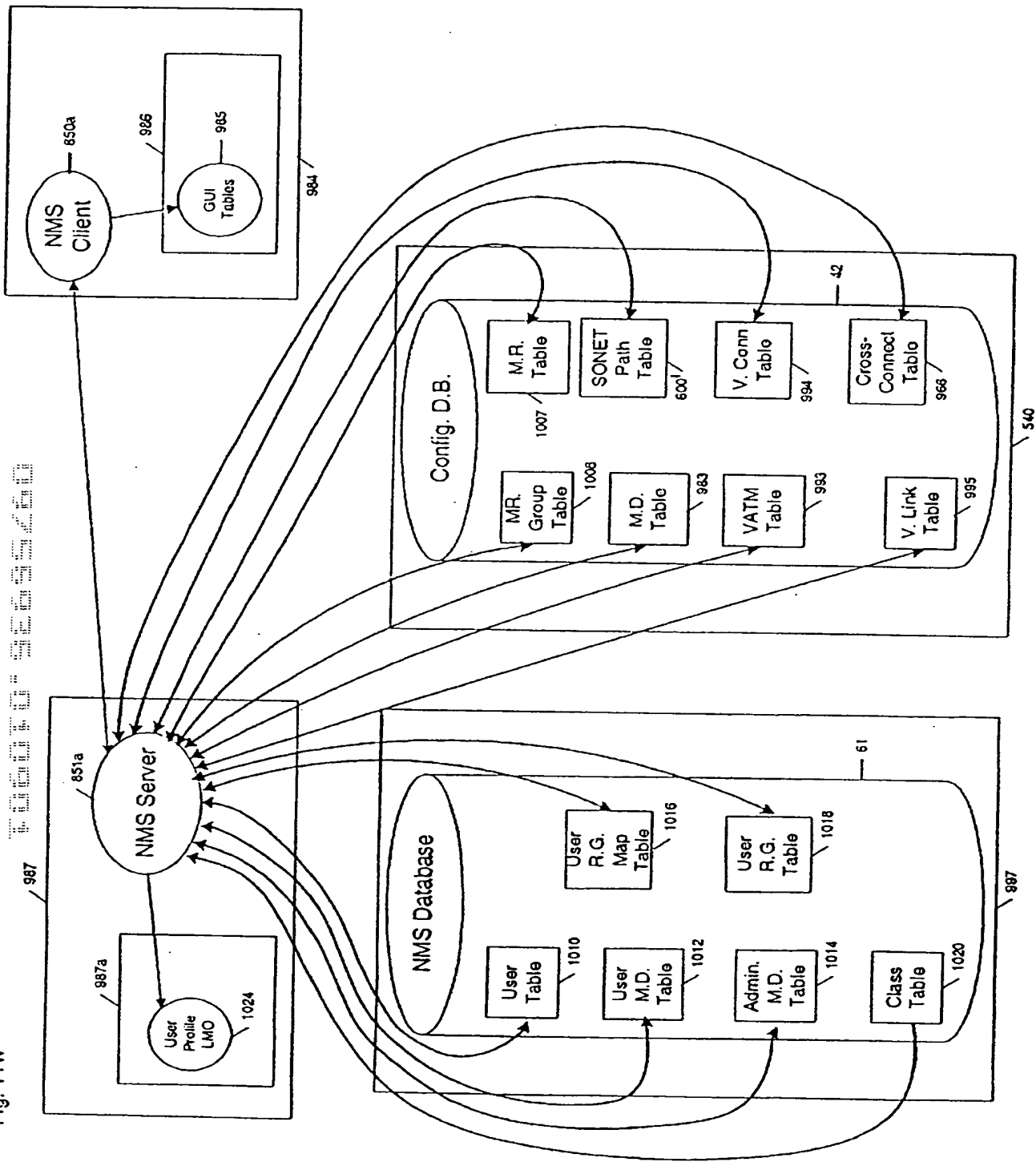


Fig. 11x

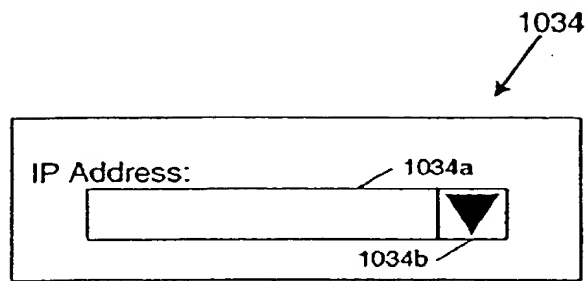


FIG. 11x

CARD TABLE

PID	CWD TYPE	VERSION NO.	SLOT NO.	...
-----	----------	-------------	----------	-----

47 ↗

16 a —	500	0XF002	3	1	
16 b —	501	0XF002	4	2	

	⋮	⋮	⋮	⋮	⋮
16 e —	505	0X6002	1	5	

	⋮	⋮	⋮	⋮	⋮
16 n —	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12b

0036035-040904

PORT TABLE

PID	PORT TYPE	VERSION NO.	SLOT NO.	...
-----	-----------	-------------	----------	-----

49

44a —	1500	00620	1	1	
44b —	1501	00620	1	1	
44c —	1502	00620	1	1	
44d —	1503	00620	1	1	
44a —	1504	00820			
46a —	⋮	⋮	⋮	⋮	⋮
	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12c

00766036 040904

FIG. 13a

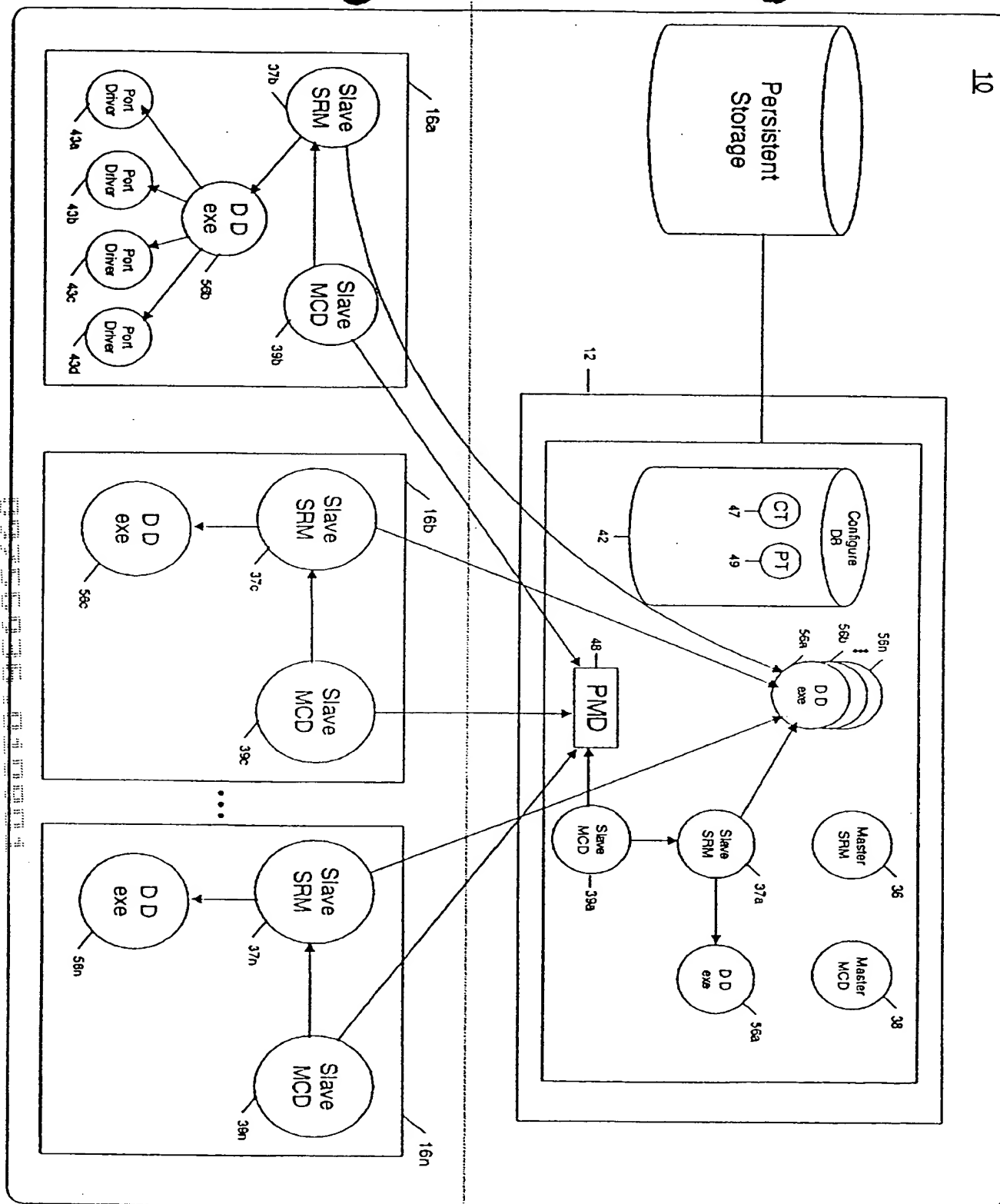


FIG. 13b

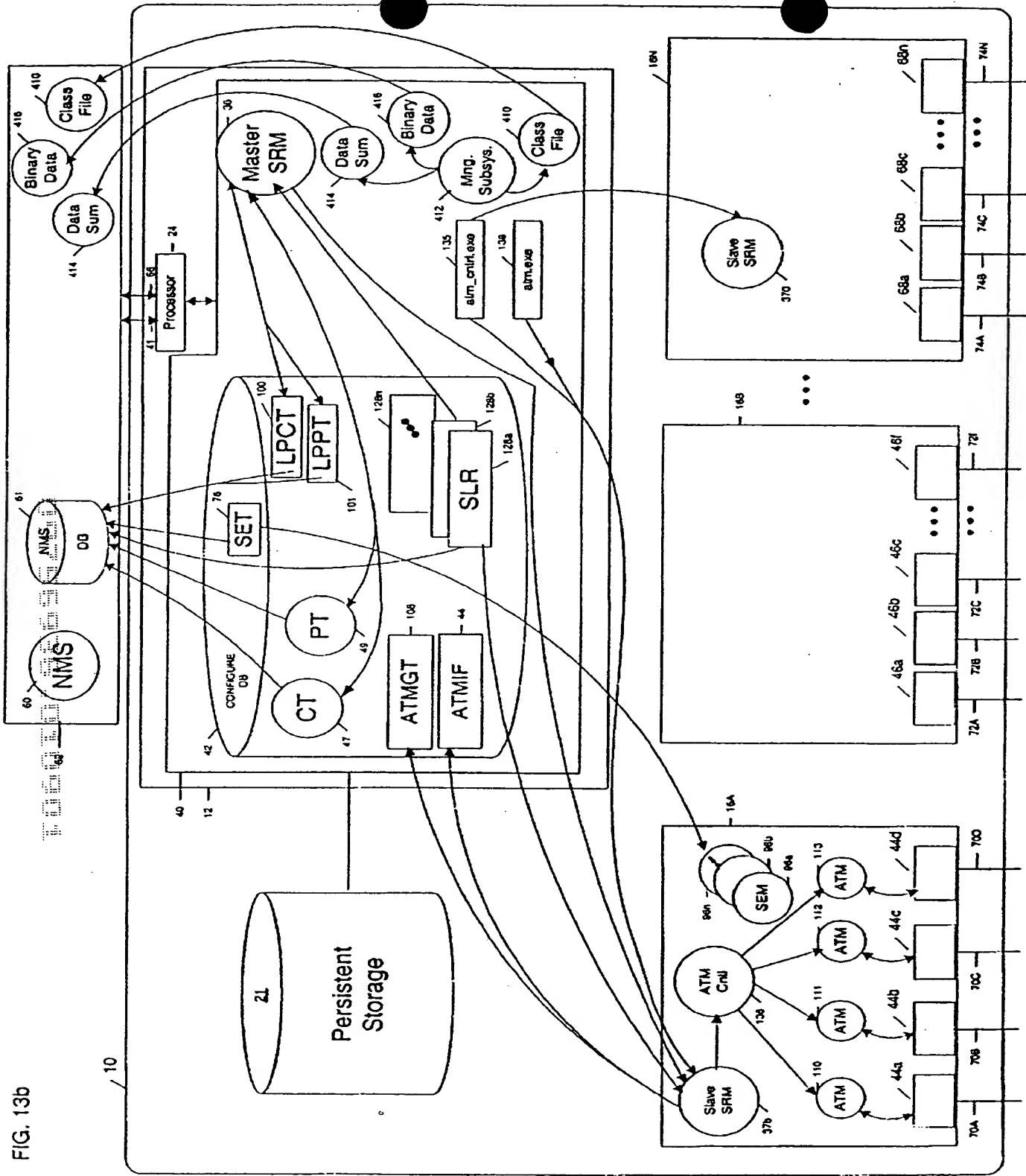


Fig. 13c

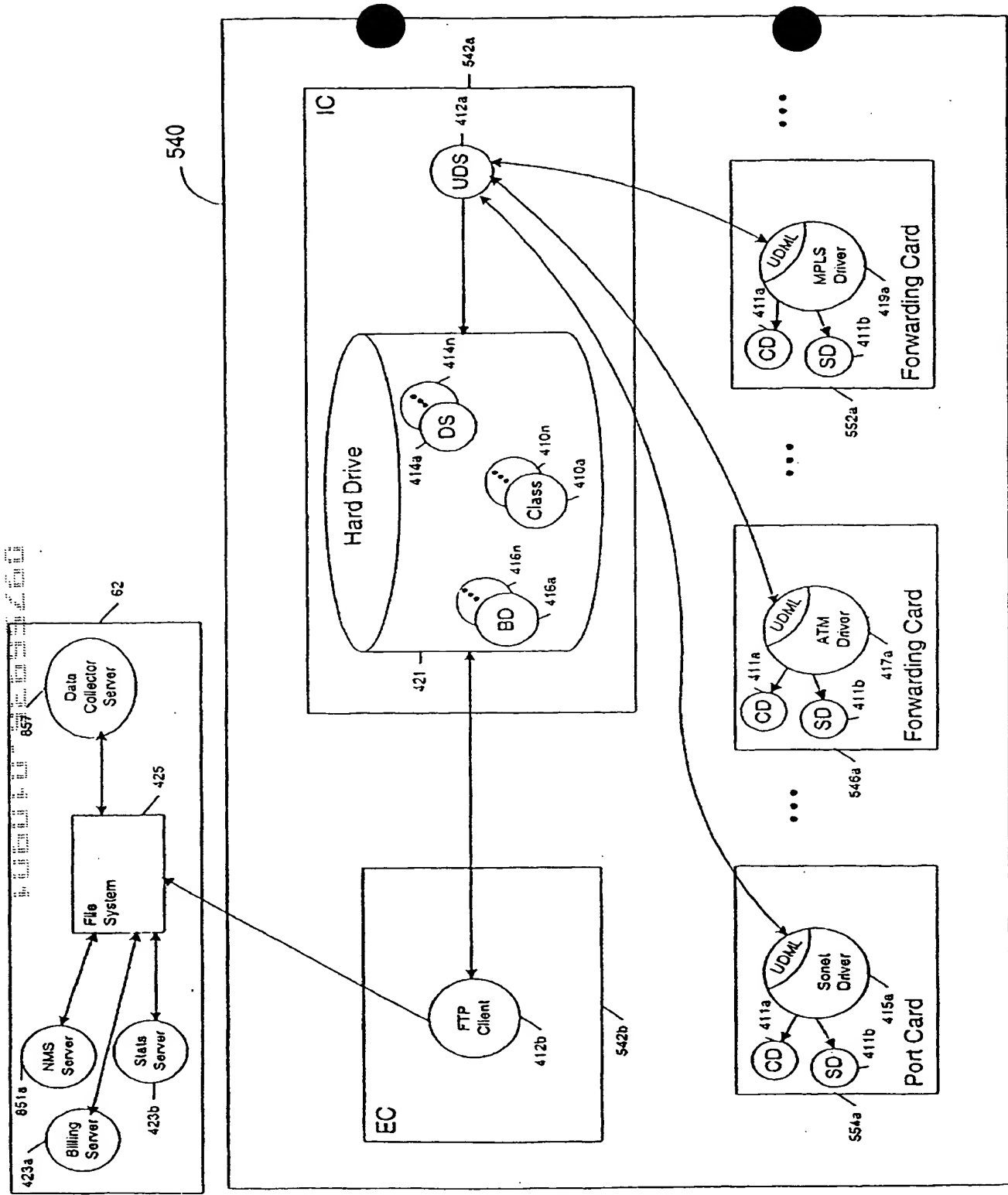


Fig. 13d

FIG. 13d

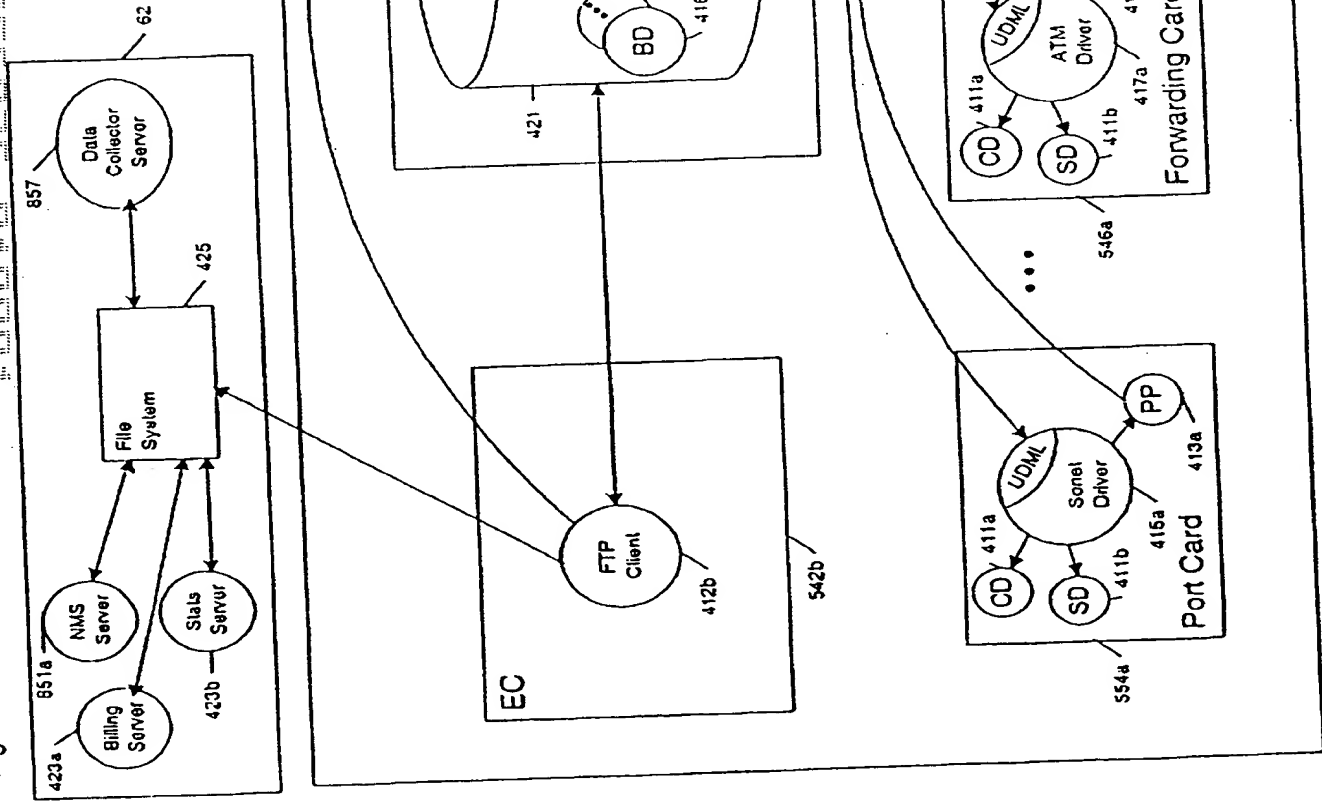


FIG. 14a

Service Endpoint Table 76

	Service Endpoint #	Port PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮

FIG. 14b

Logical to Physical Card Table 100

	98 LID	102 Primary PID	104 Back-up PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮

FIG. 14c

Logical to Physical Port Table 101

	98 LID	102 Primary PID	104 Back-up PID
107	40	1500	1600
	⋮	⋮	⋮

FIG. 14d

ATM Group Table 108

Group #	Card LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14e

ATM Interface Table 114

ATM IF	ATM Group	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14f

Software Load Record 128a

130	Control Shim	LID	132
134	atm-cntrl.exe	30	

FIG. 15

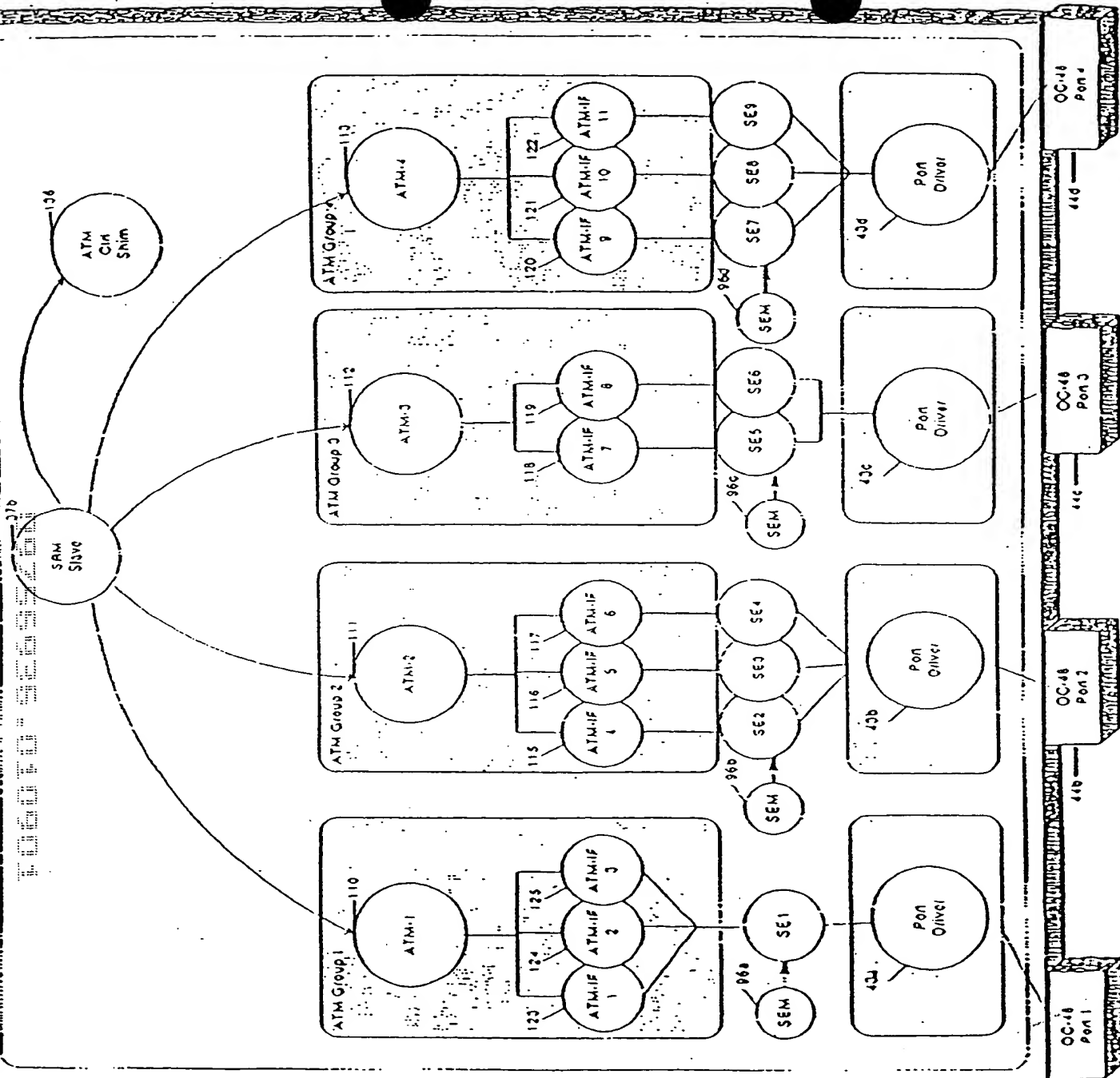
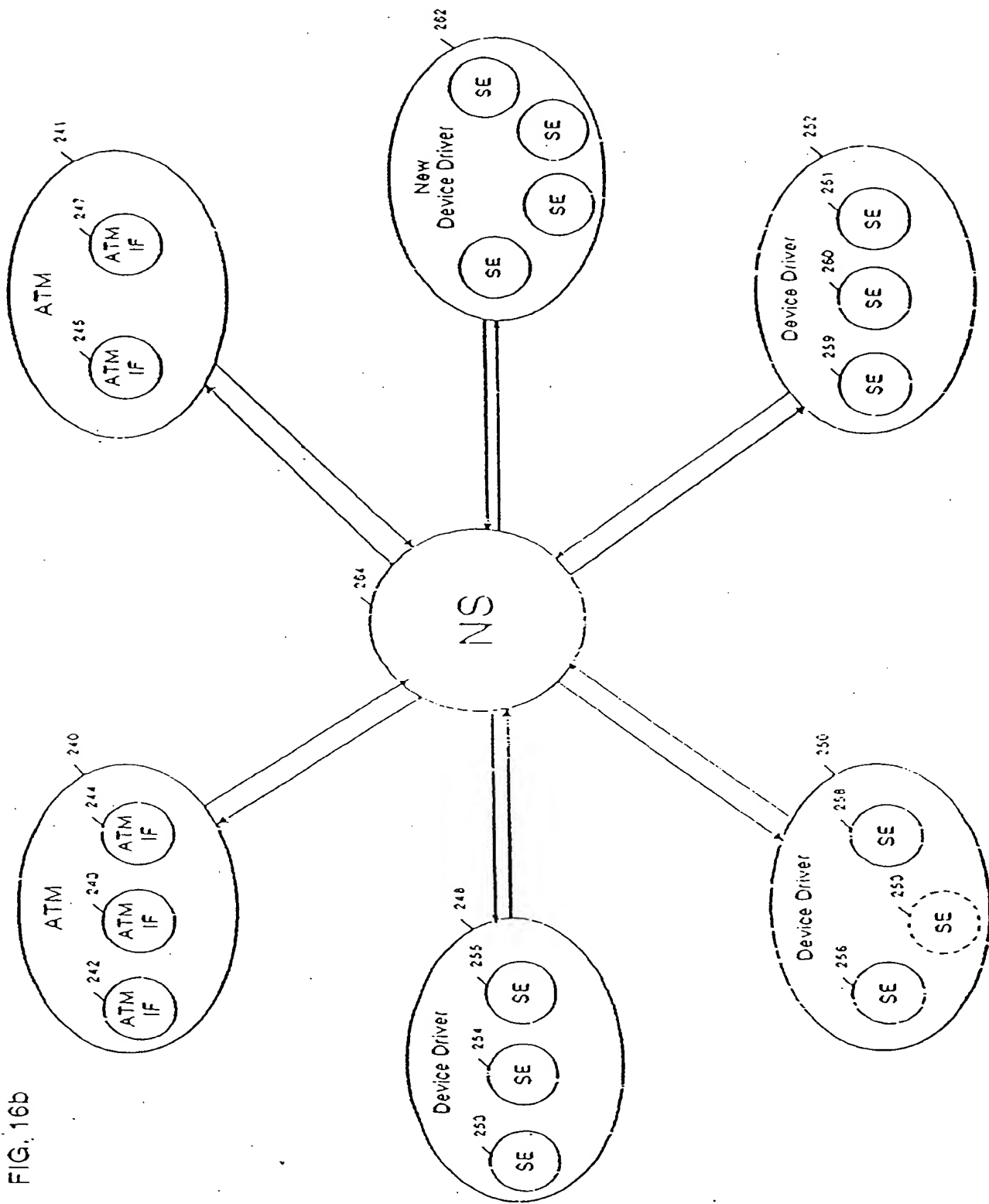


FIG. 16b



[illegible]

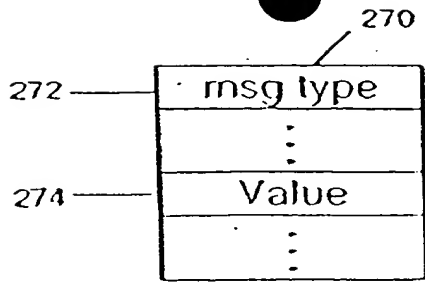


Fig. 16D

Fig. 17

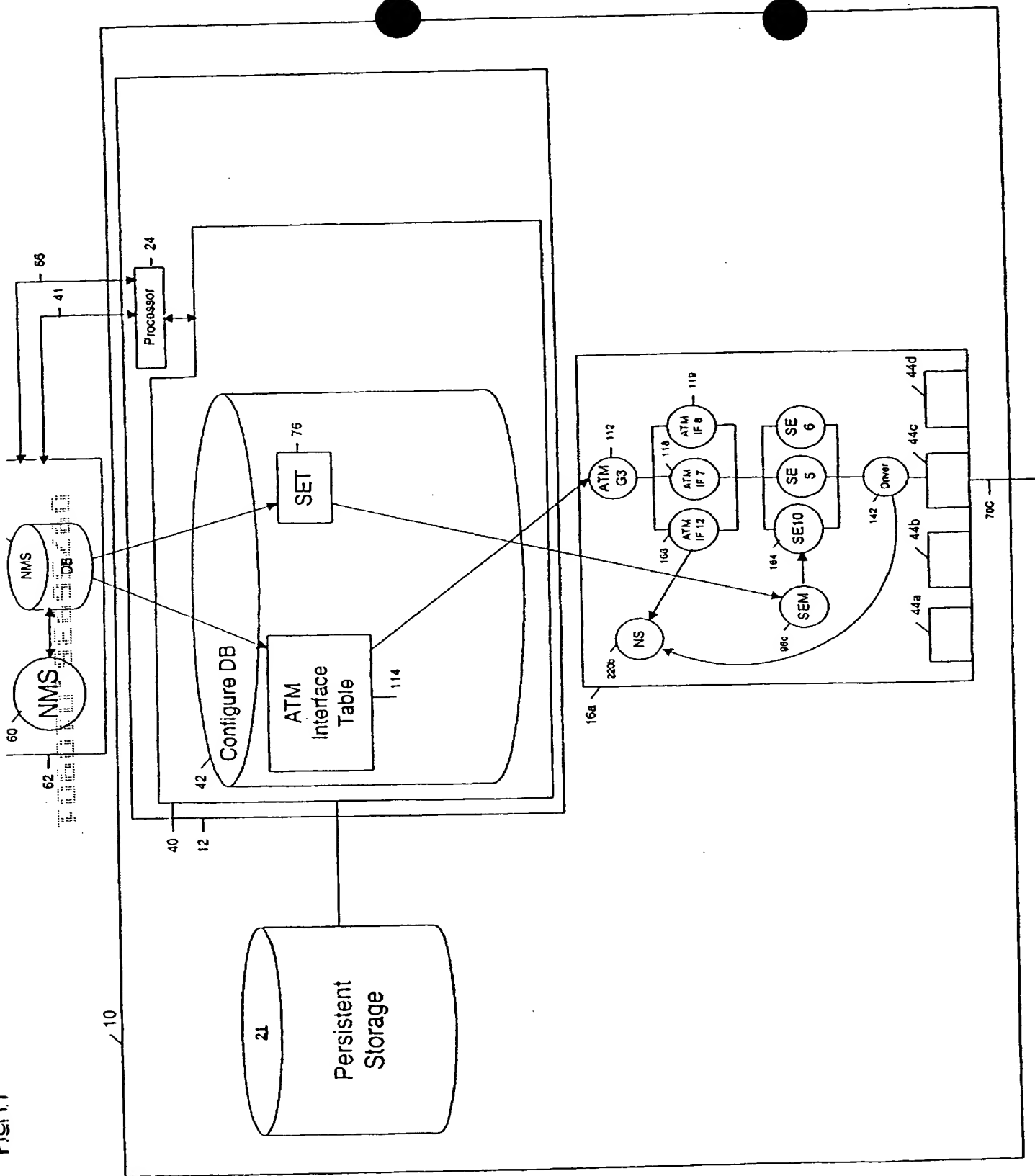


Fig 18

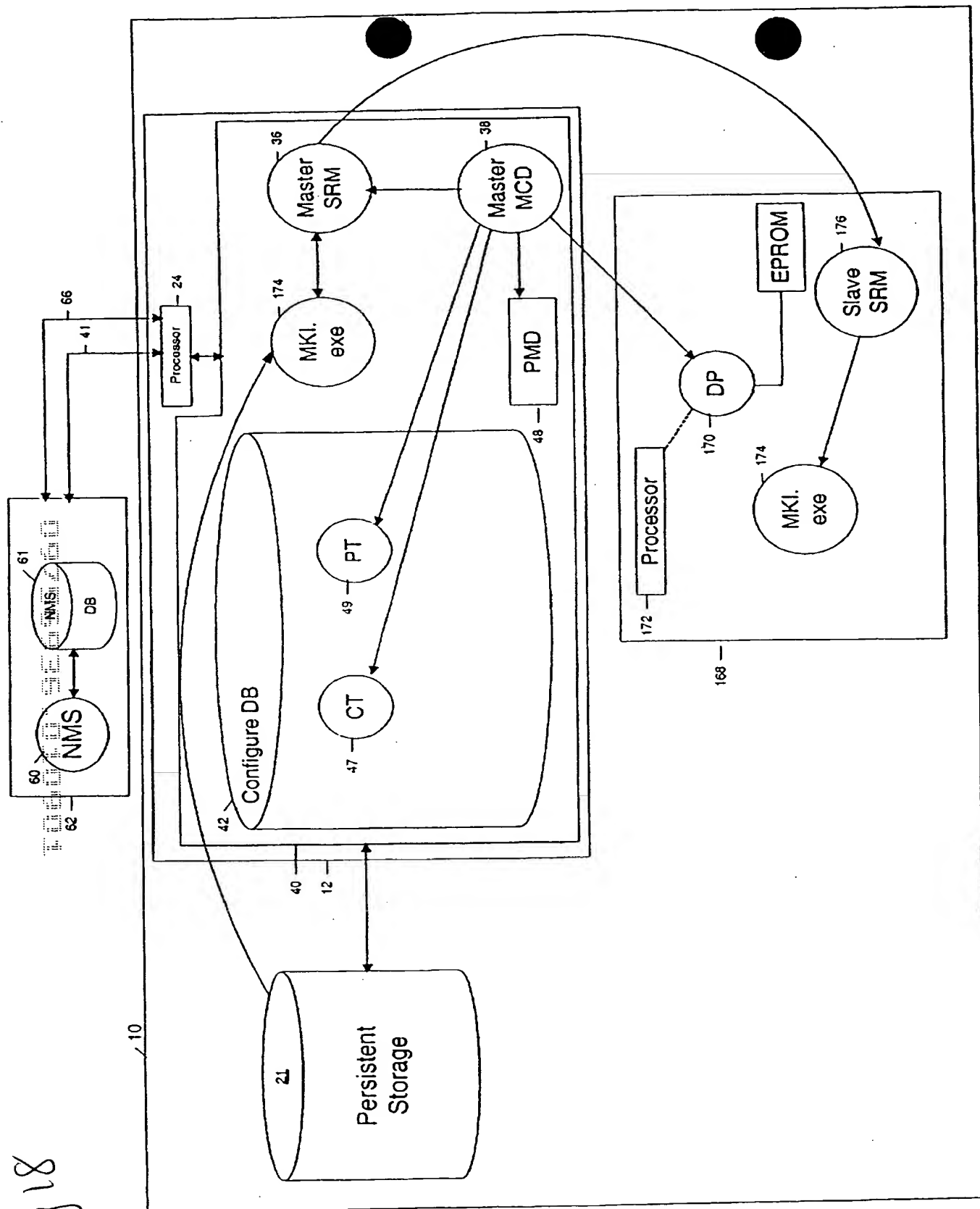
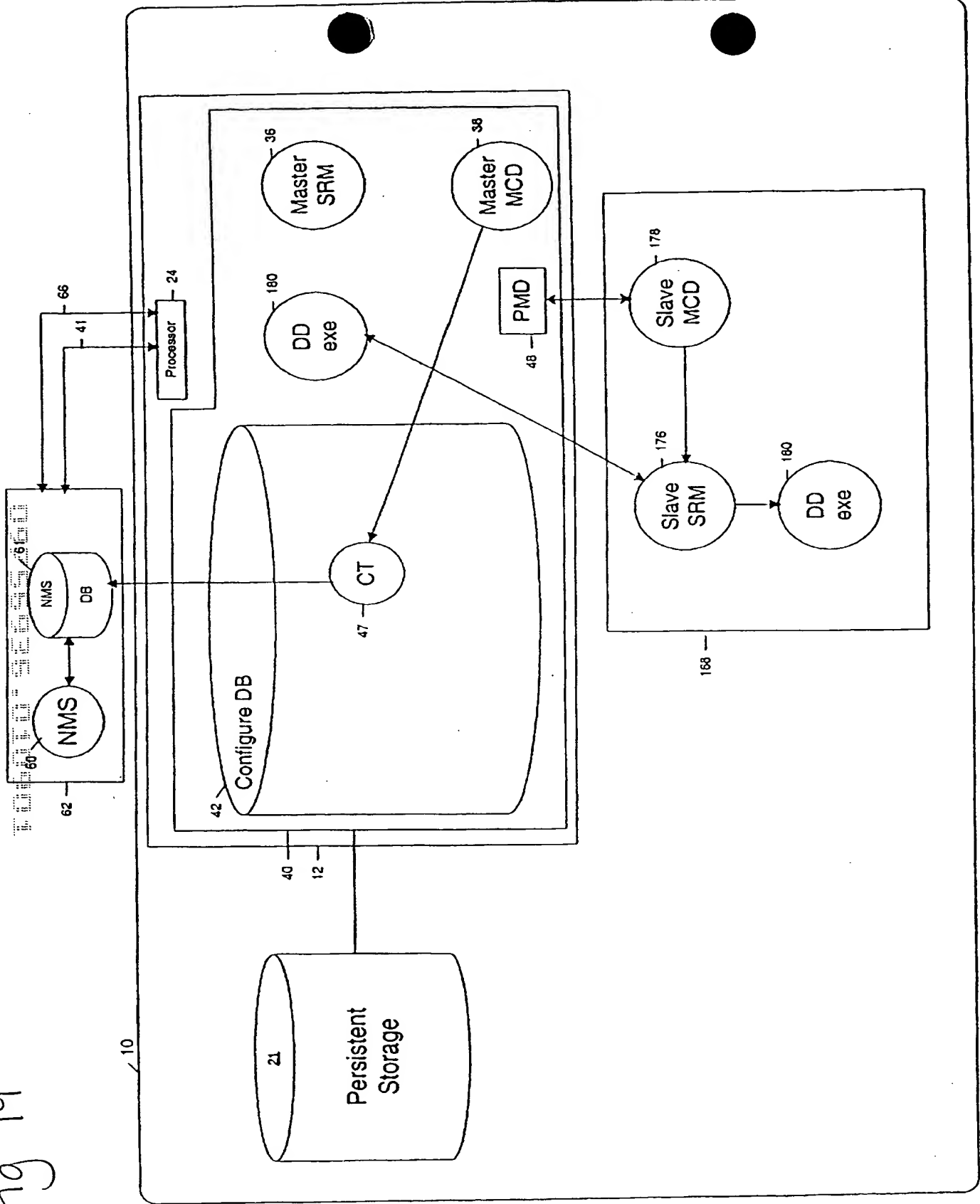
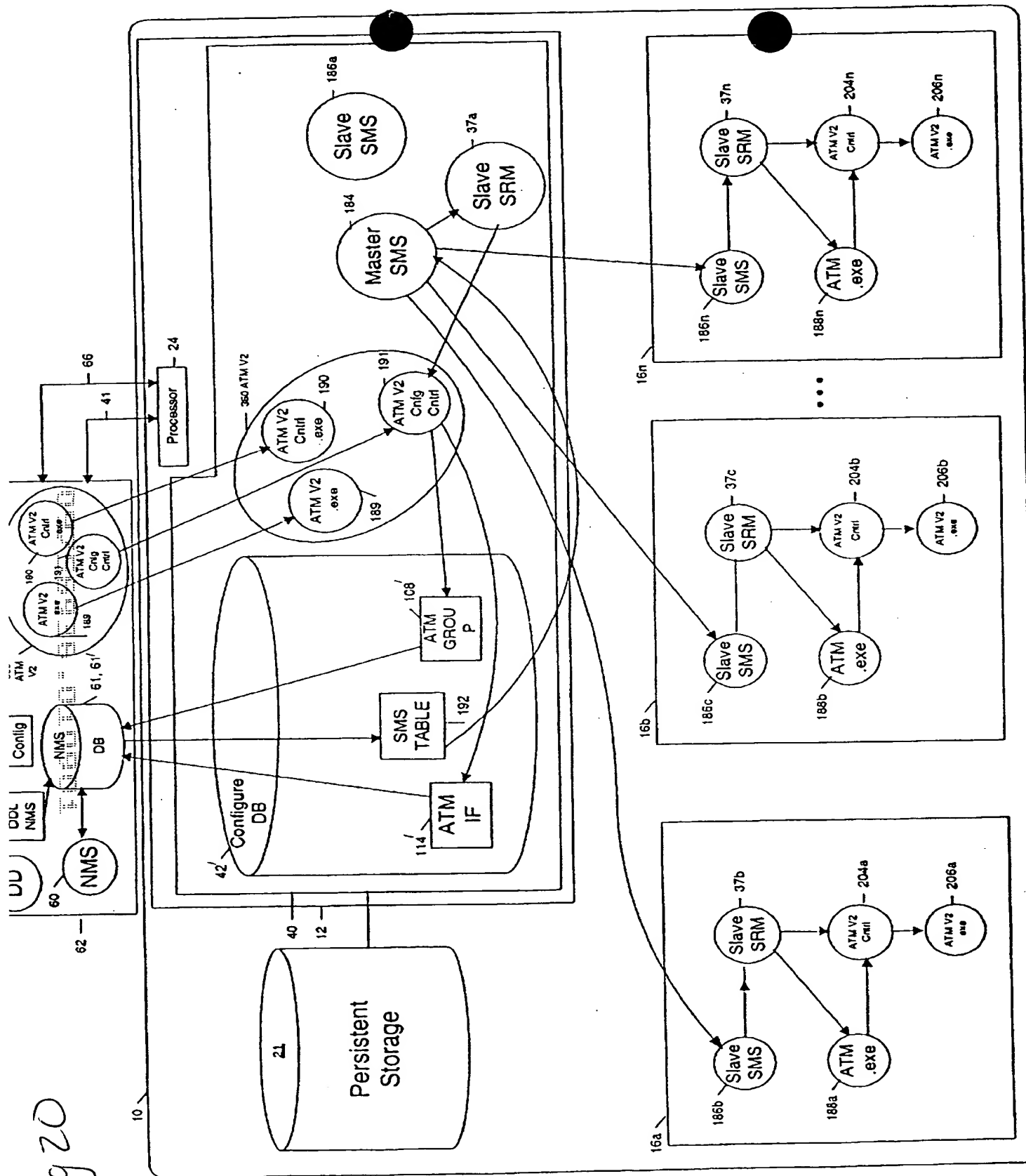


Fig 19





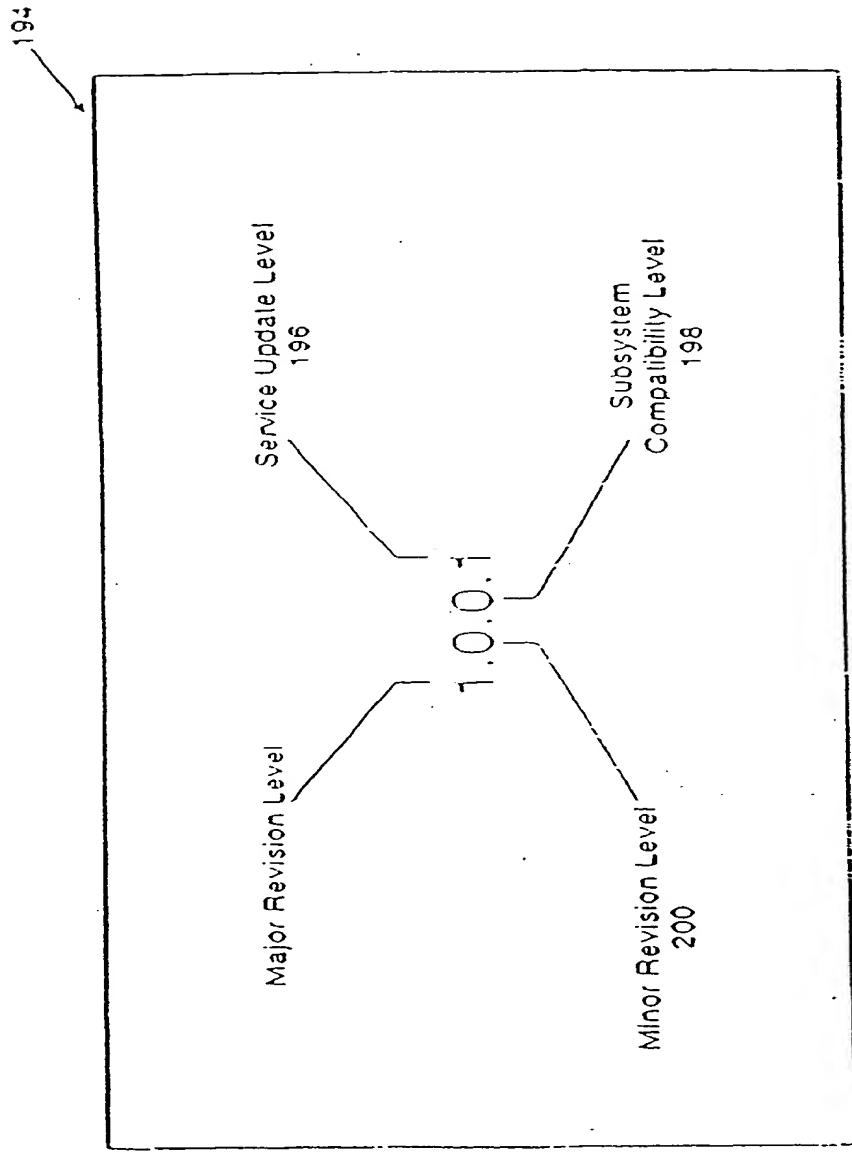


FIG. 22

FIG. 22

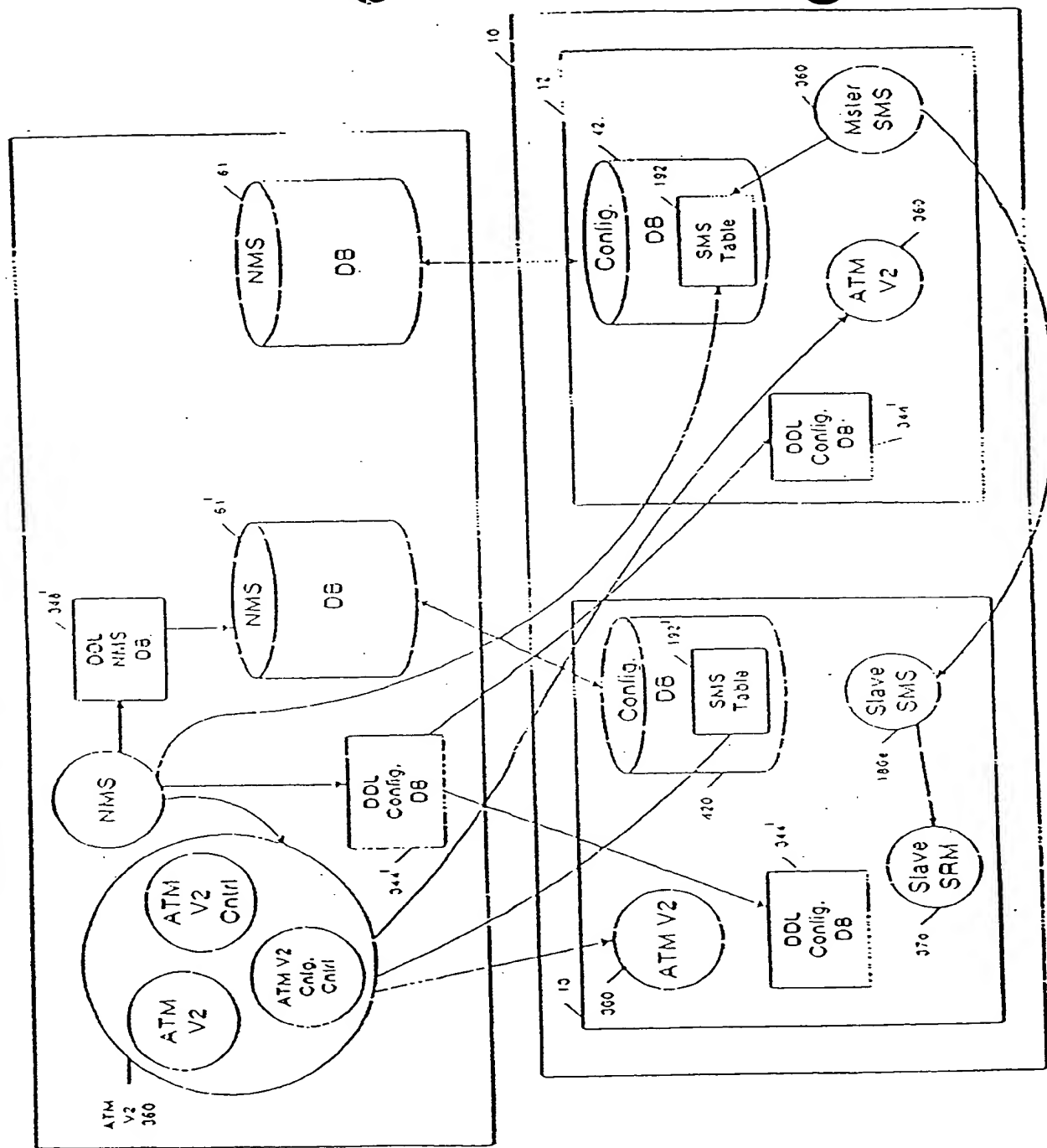


fig. 23

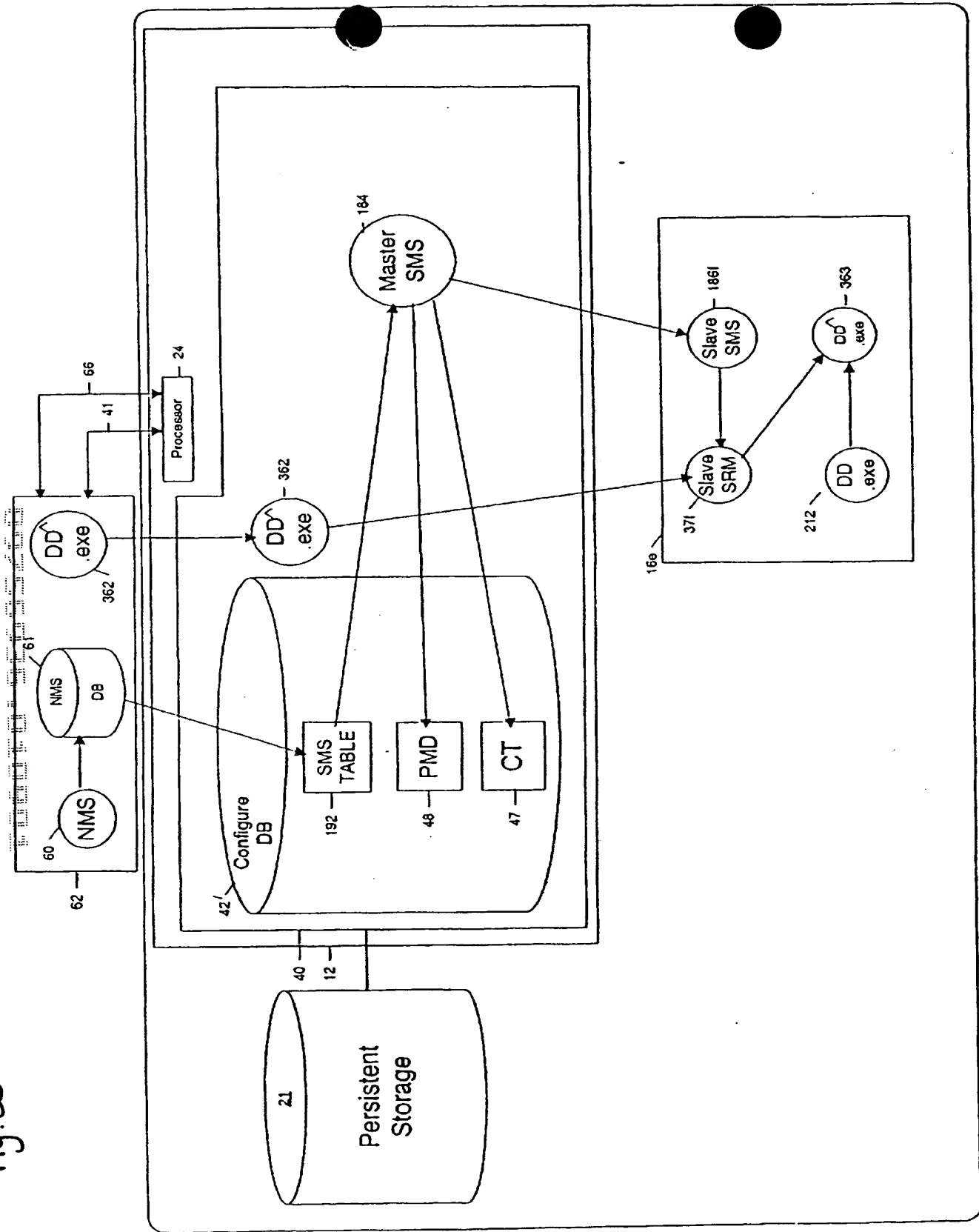


FIG. 24

FIG. 24

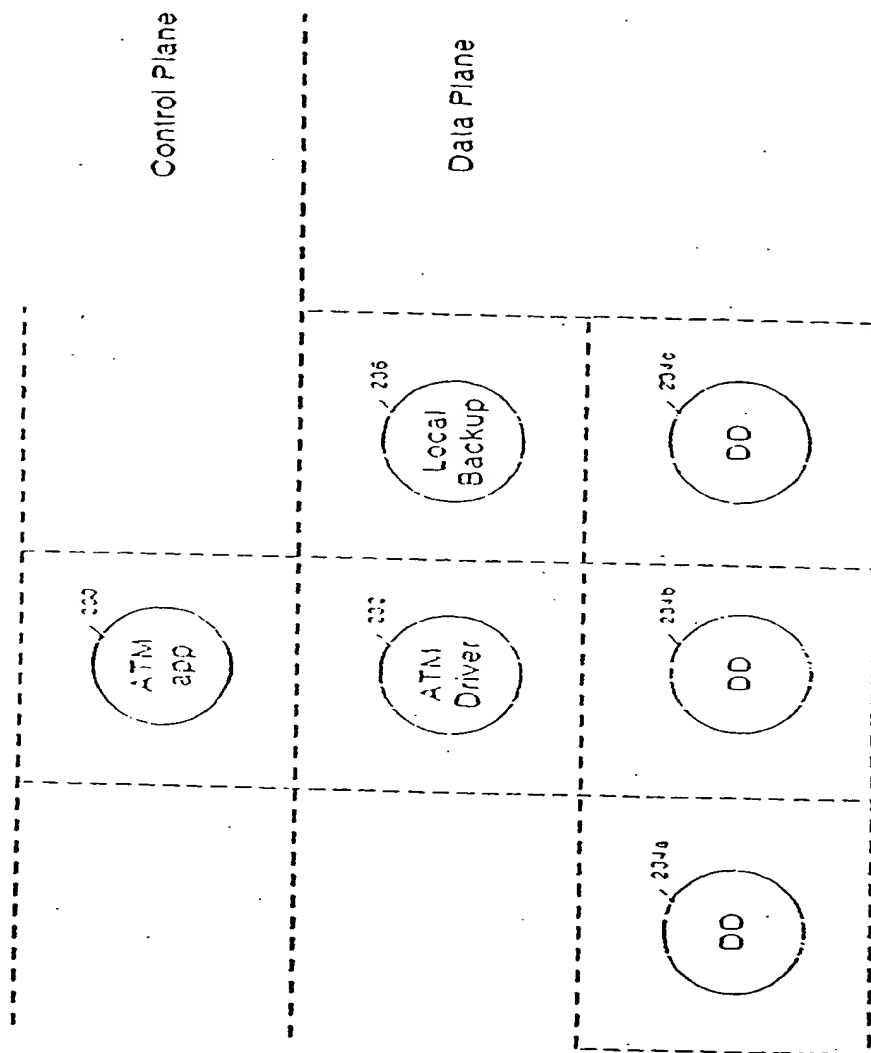
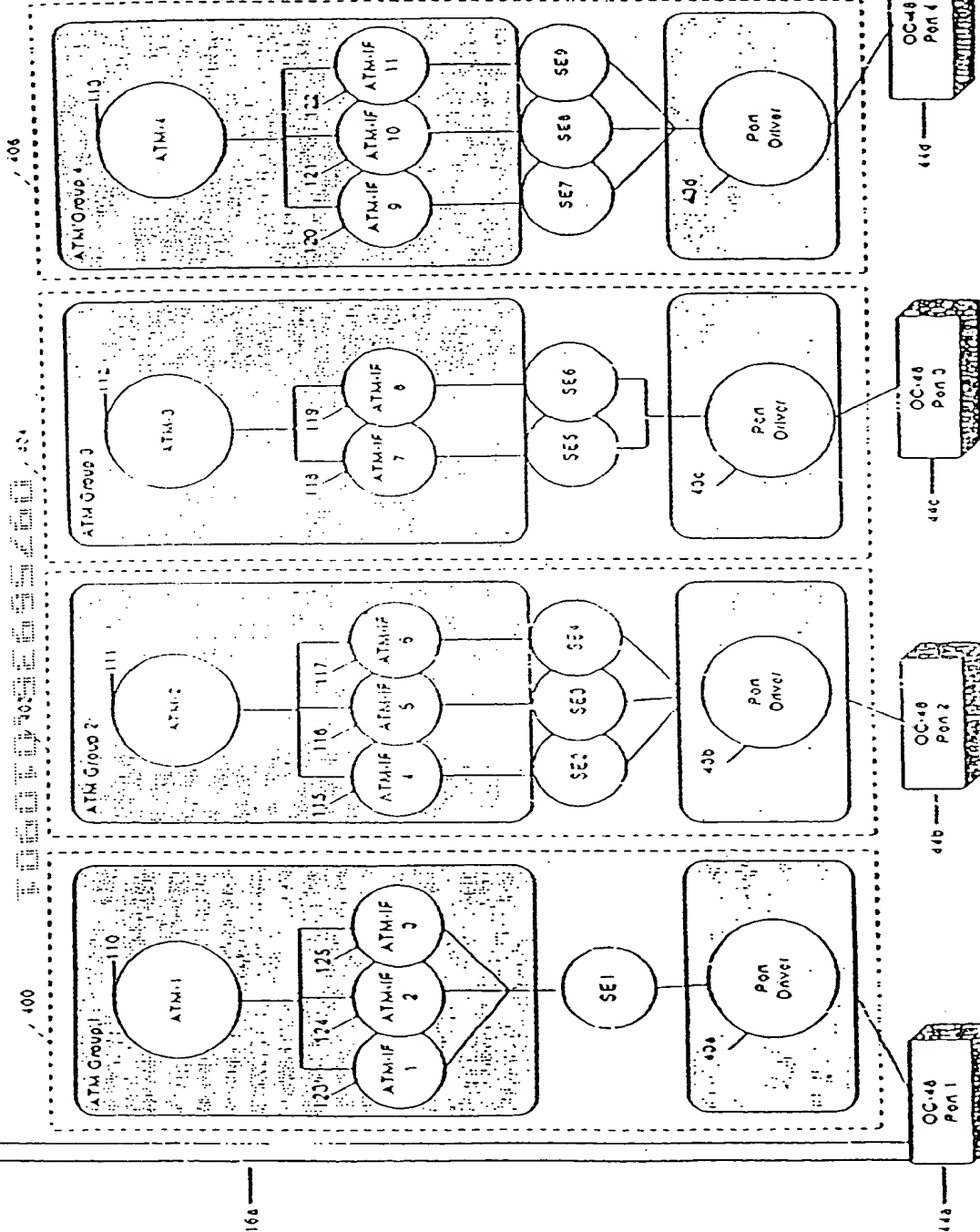


FIG. 25



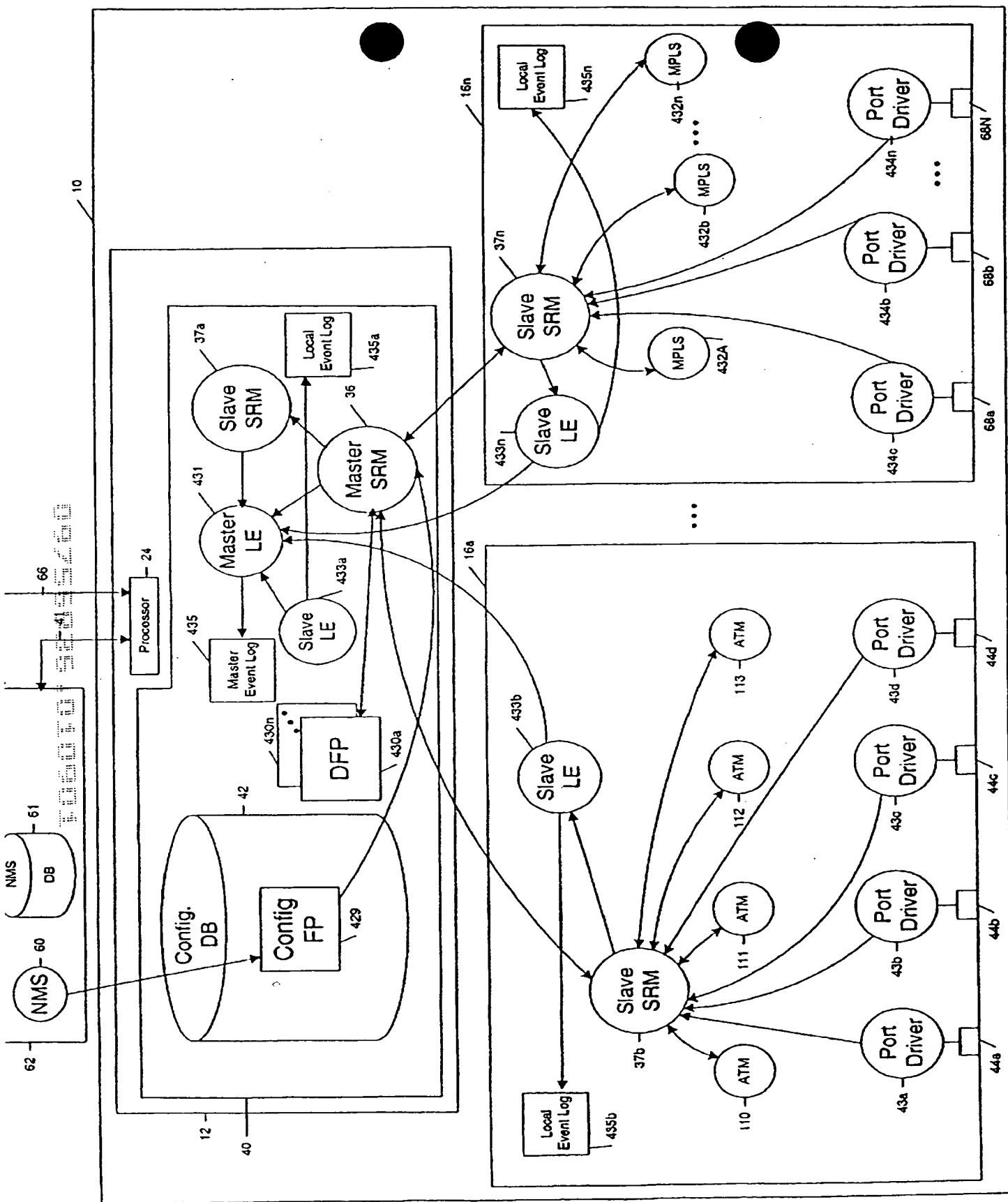


FIG. 27

FIG. 27

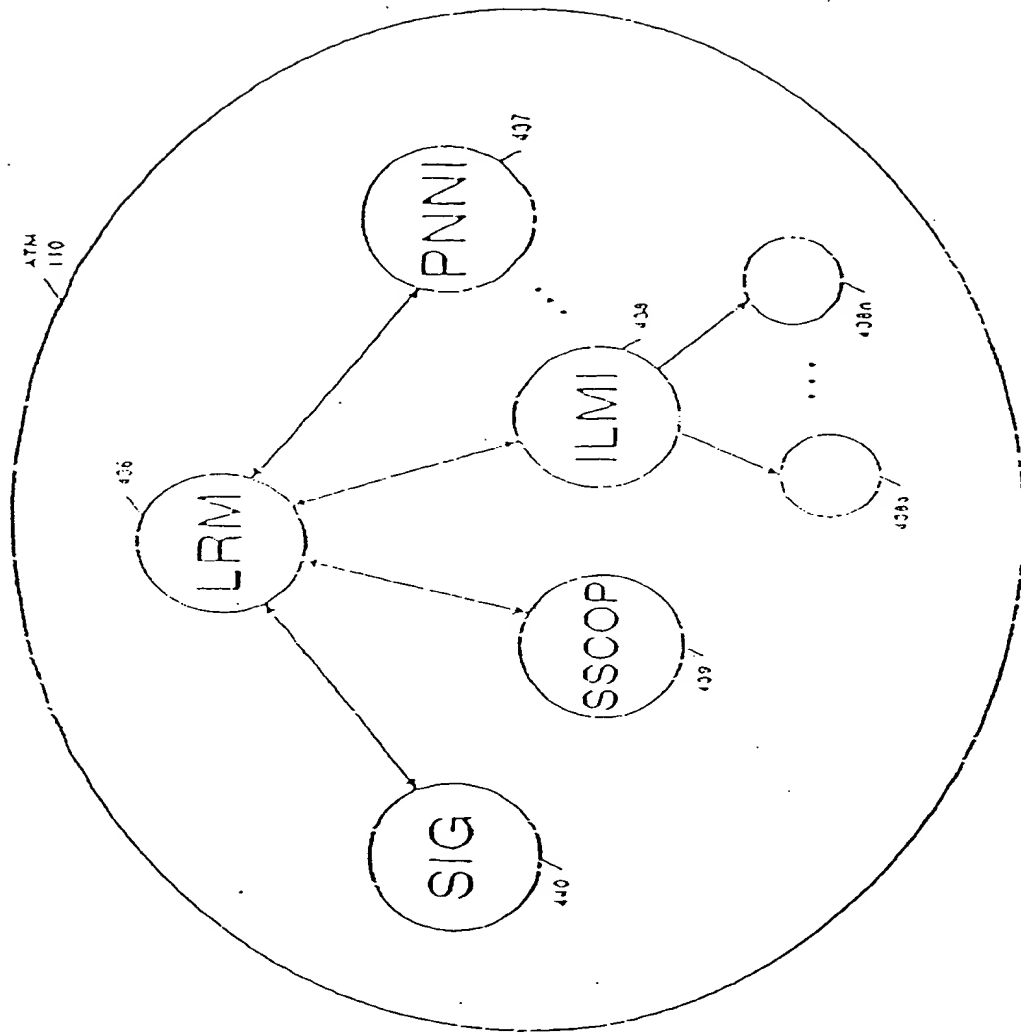


FIG. 28

FIG. 28

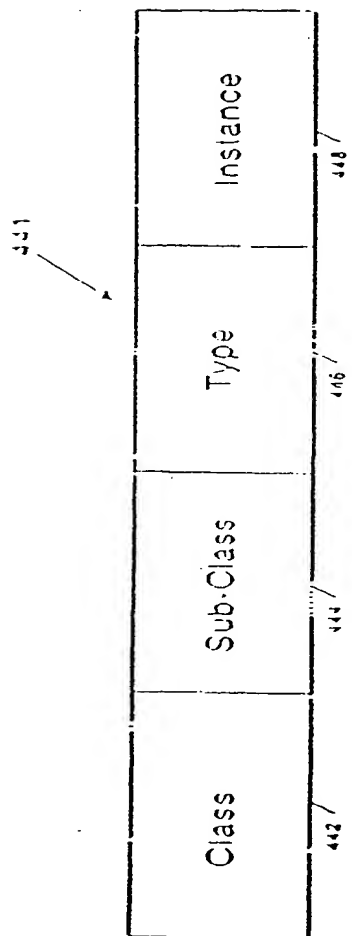
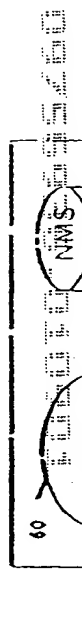


FIG. 29



10

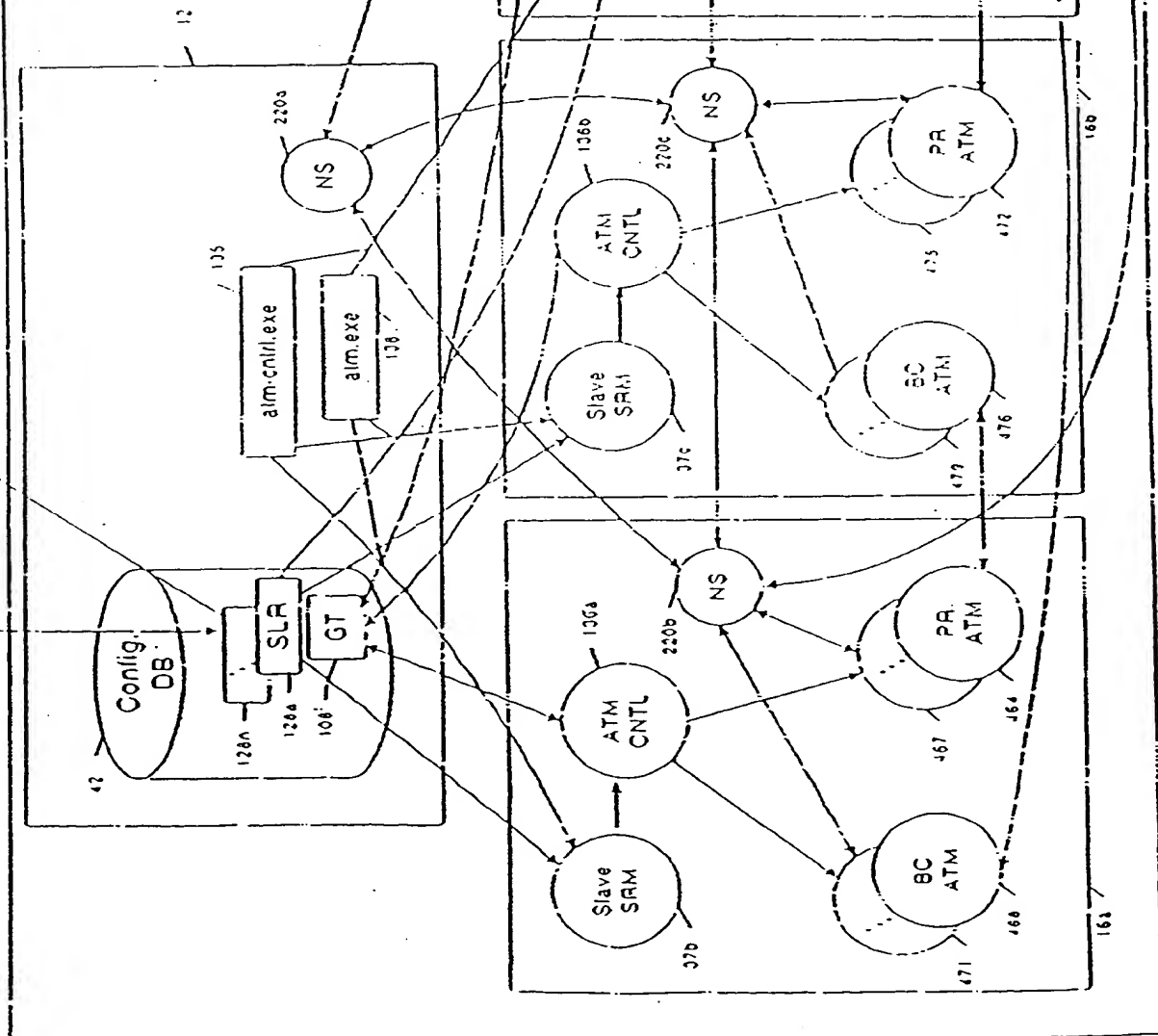


fig 3d

Fig. 31a

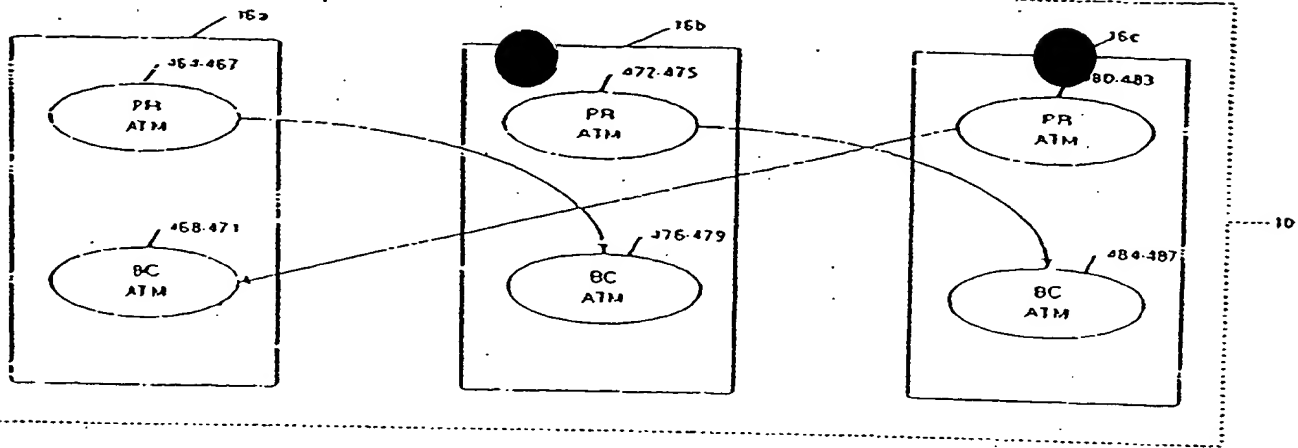


Fig. 31b

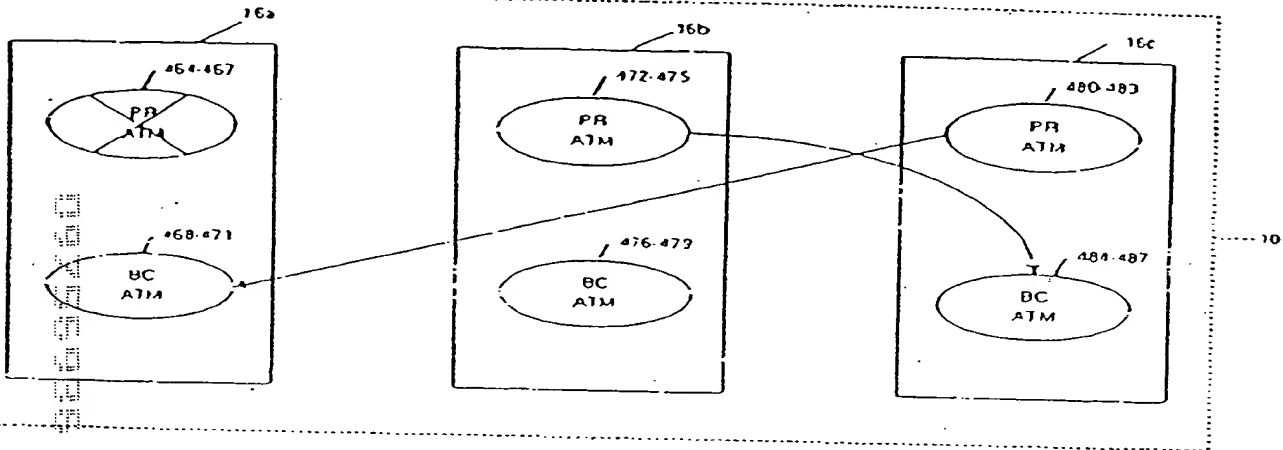
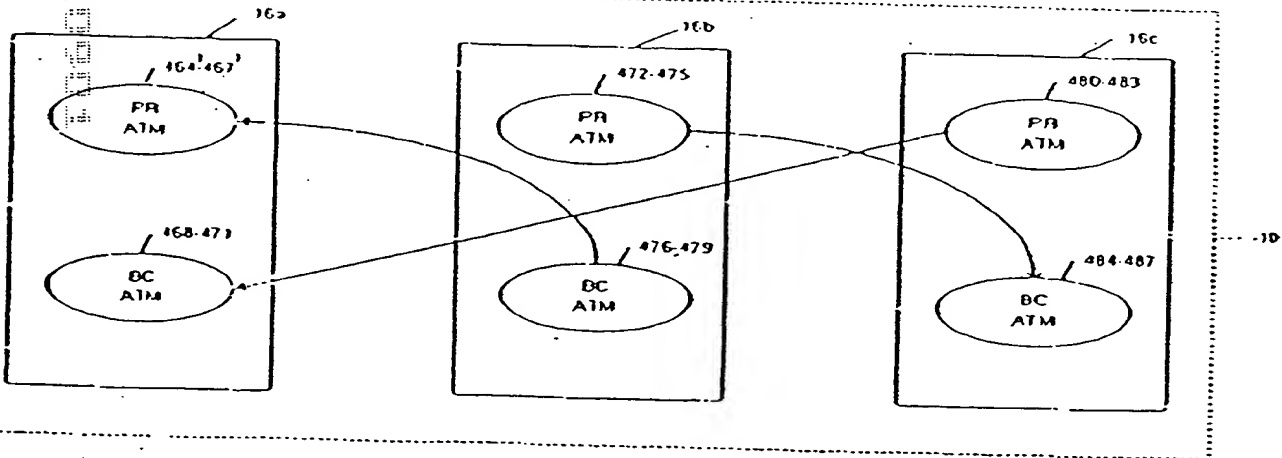


Fig. 31c



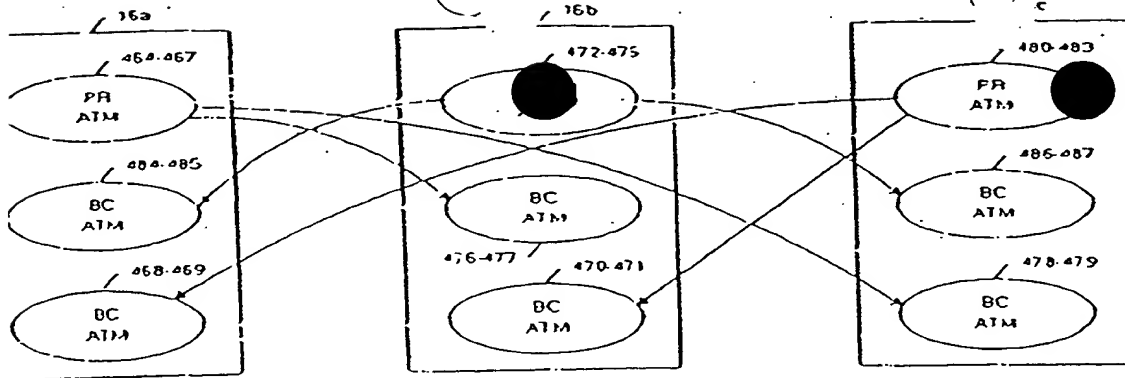


Fig. 32b

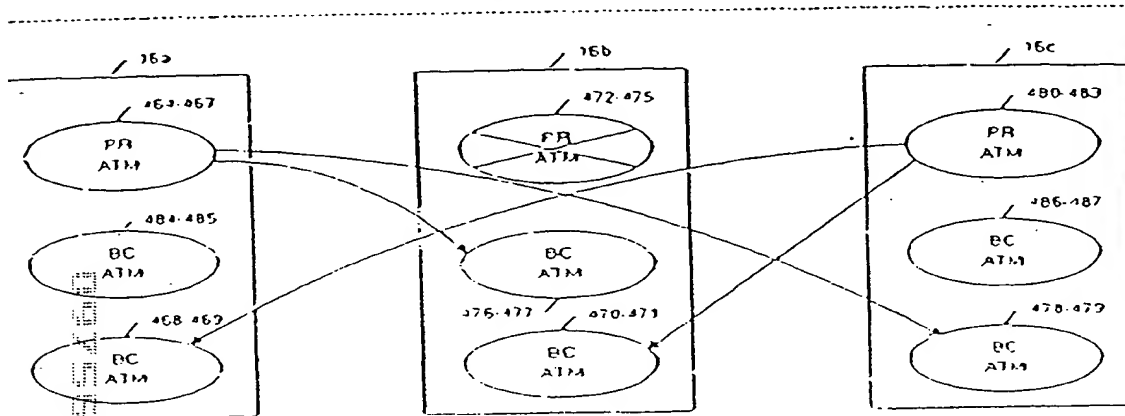


Fig. 32c

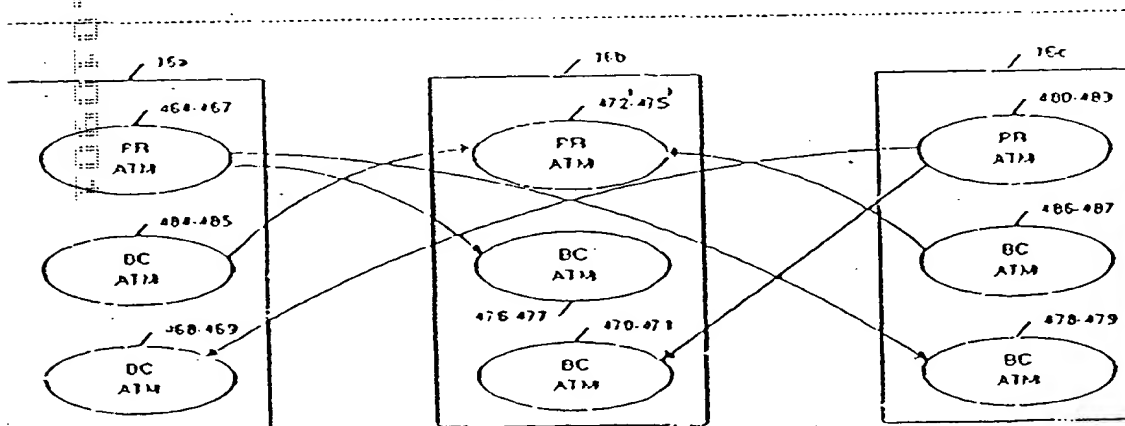


Fig. 32A

fig. 33a

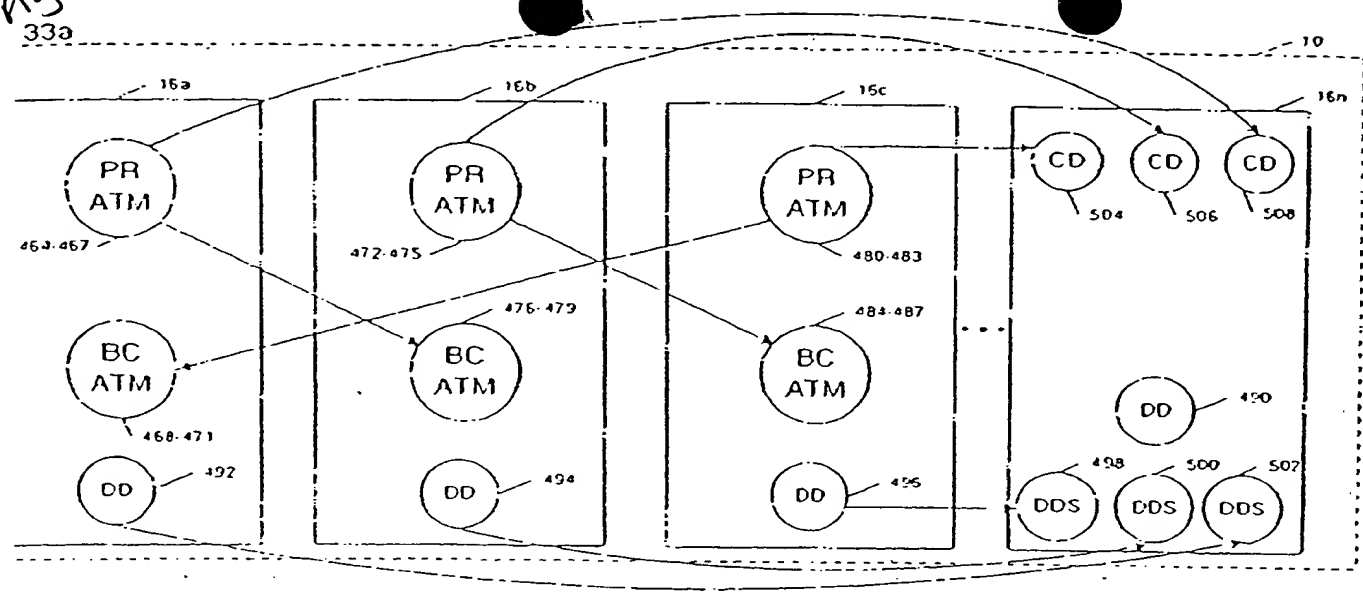


fig. 33b

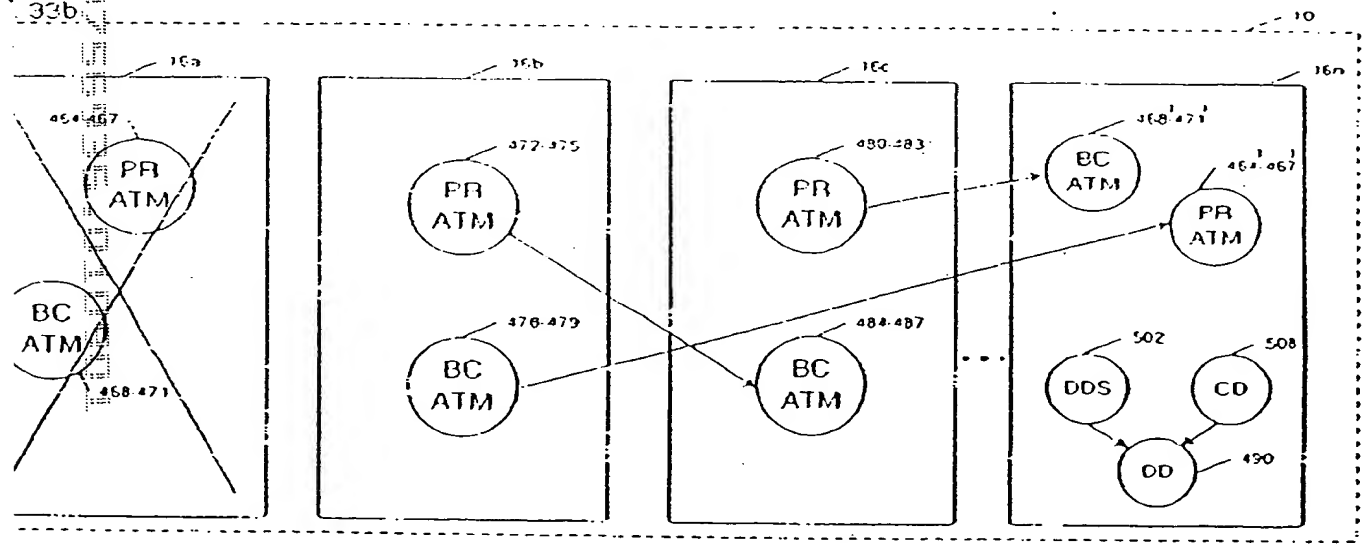


Fig 33c

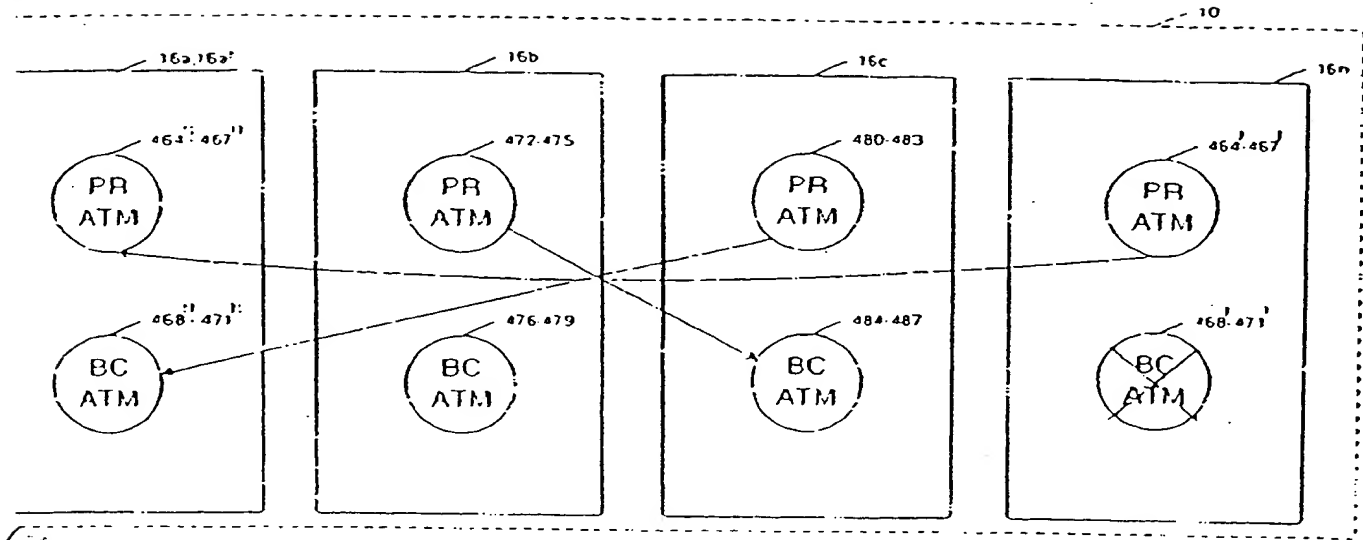


Fig 33d

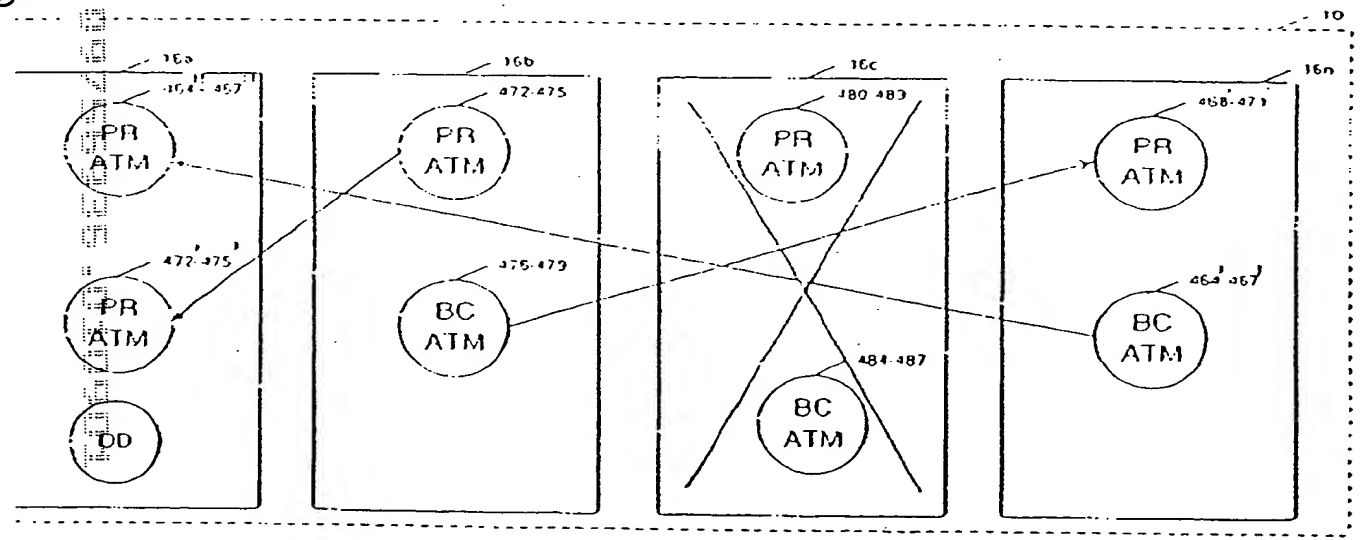


Fig. 34a

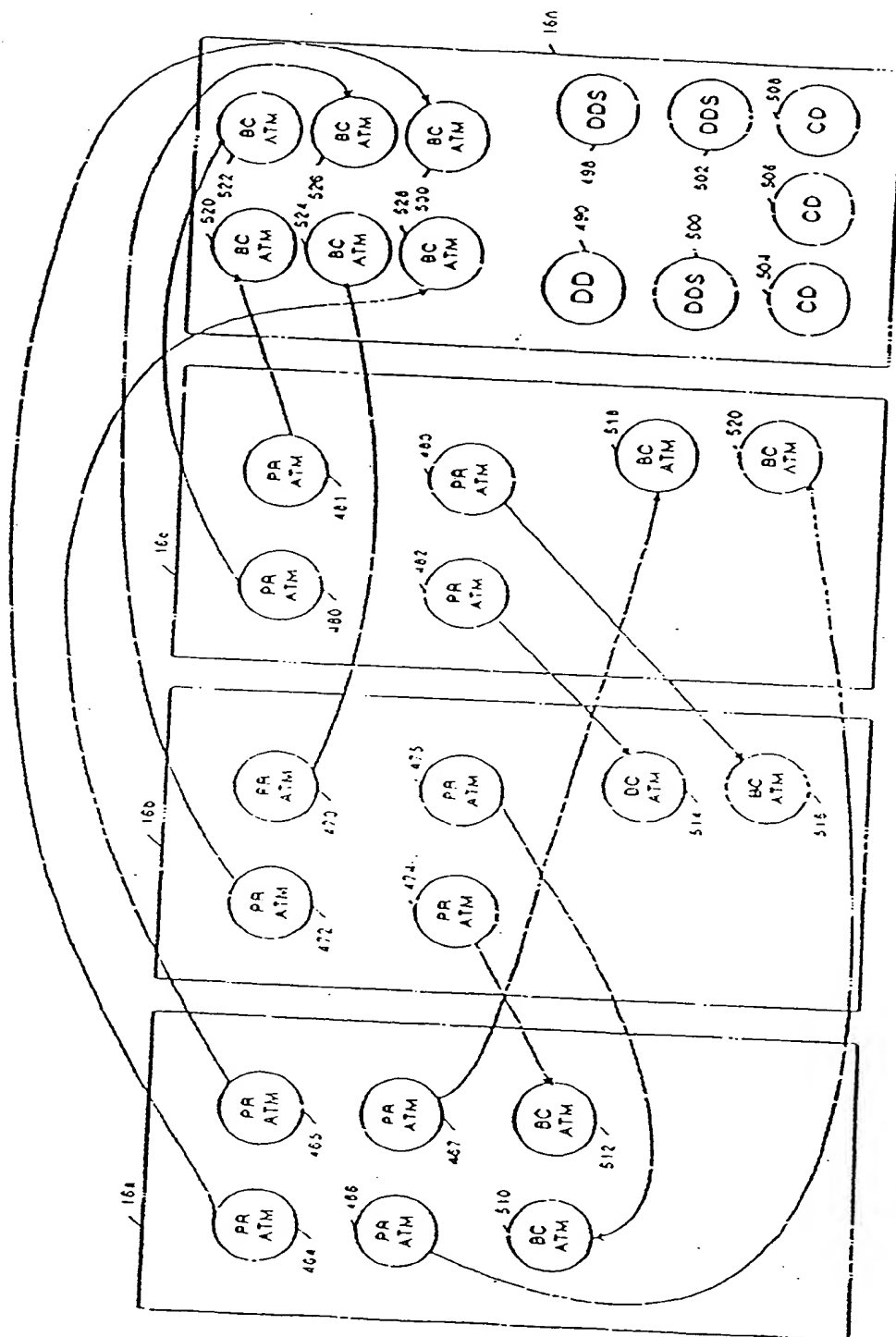


Fig. 35

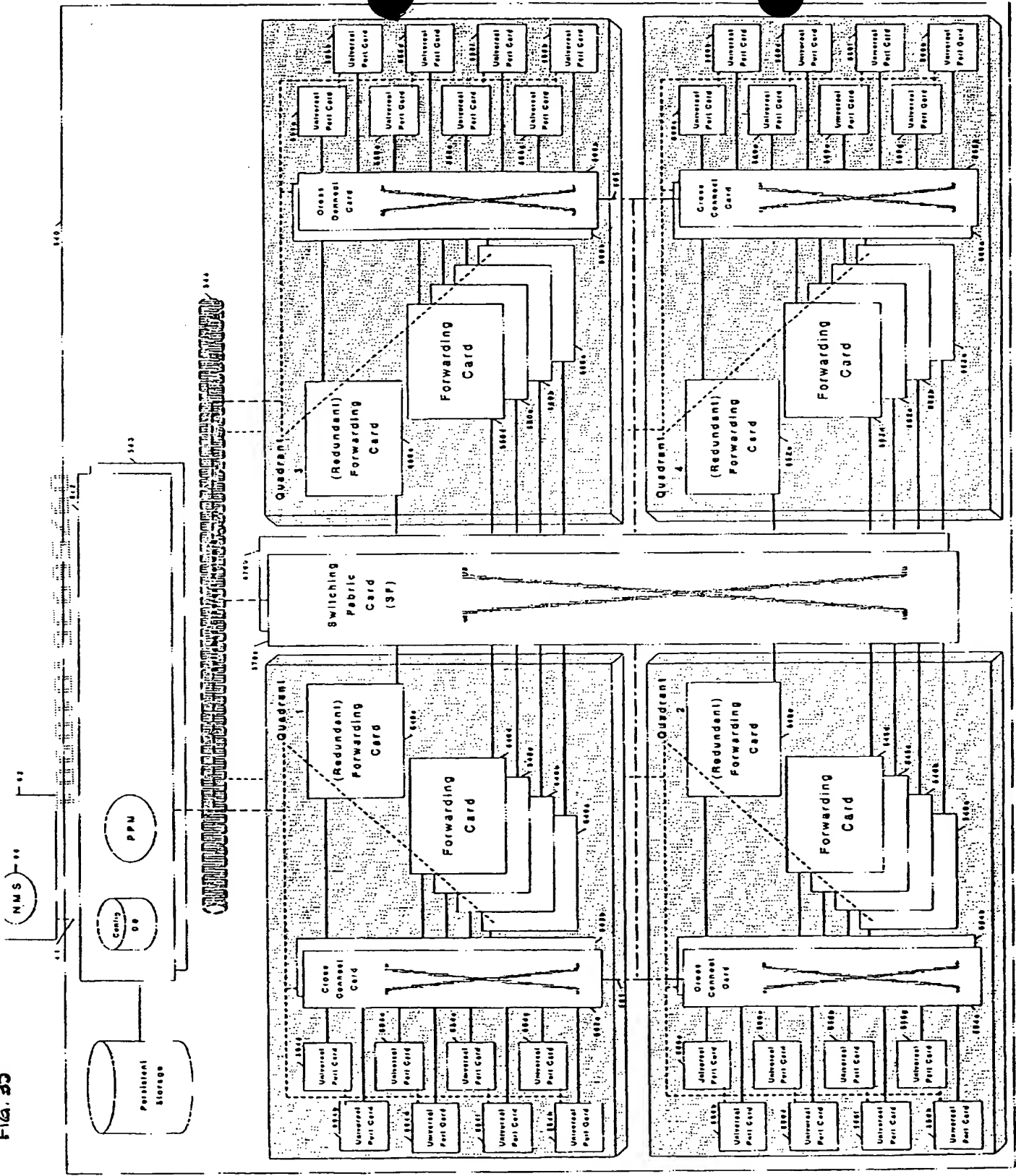


FIG. 36

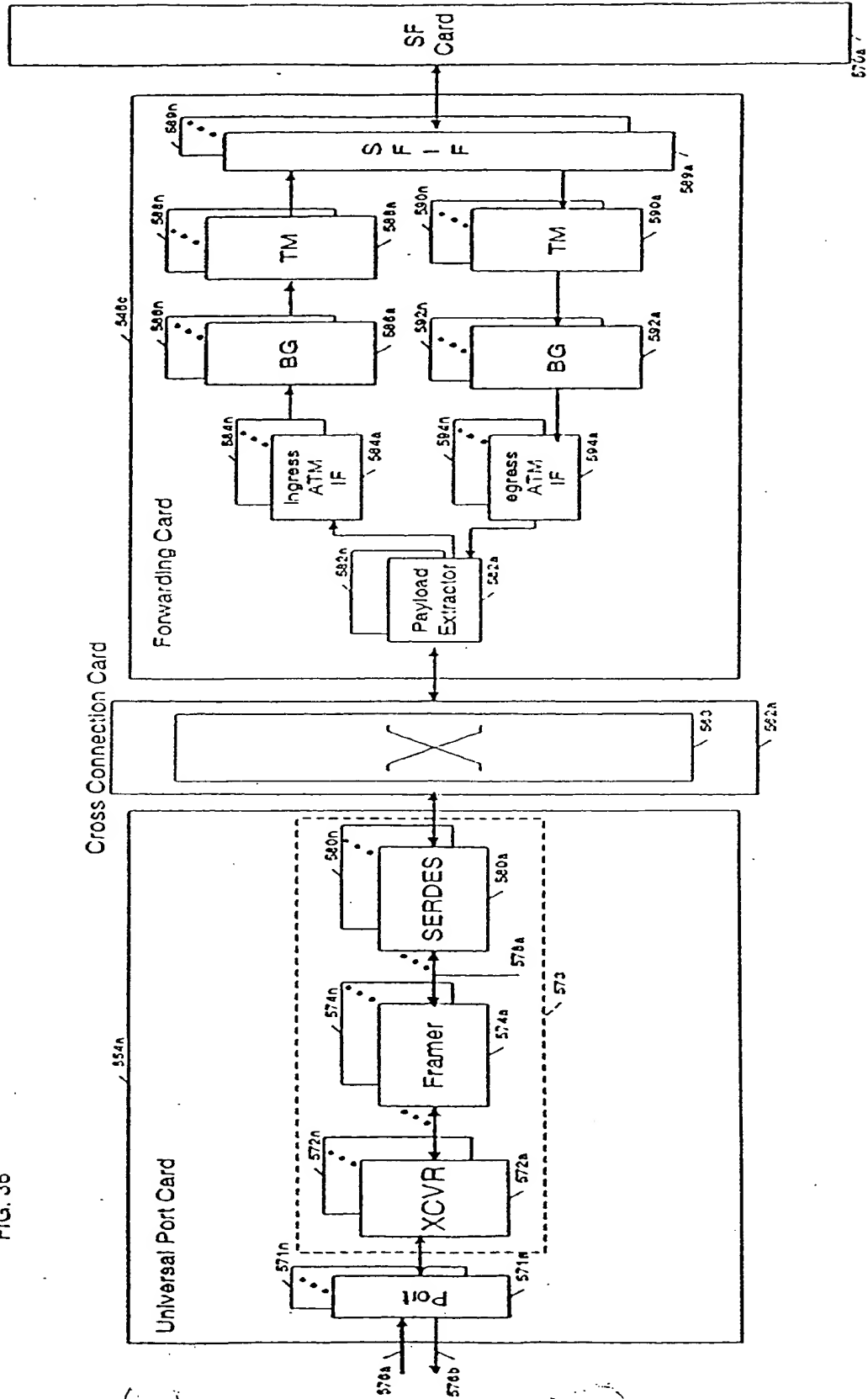


FIG. 37

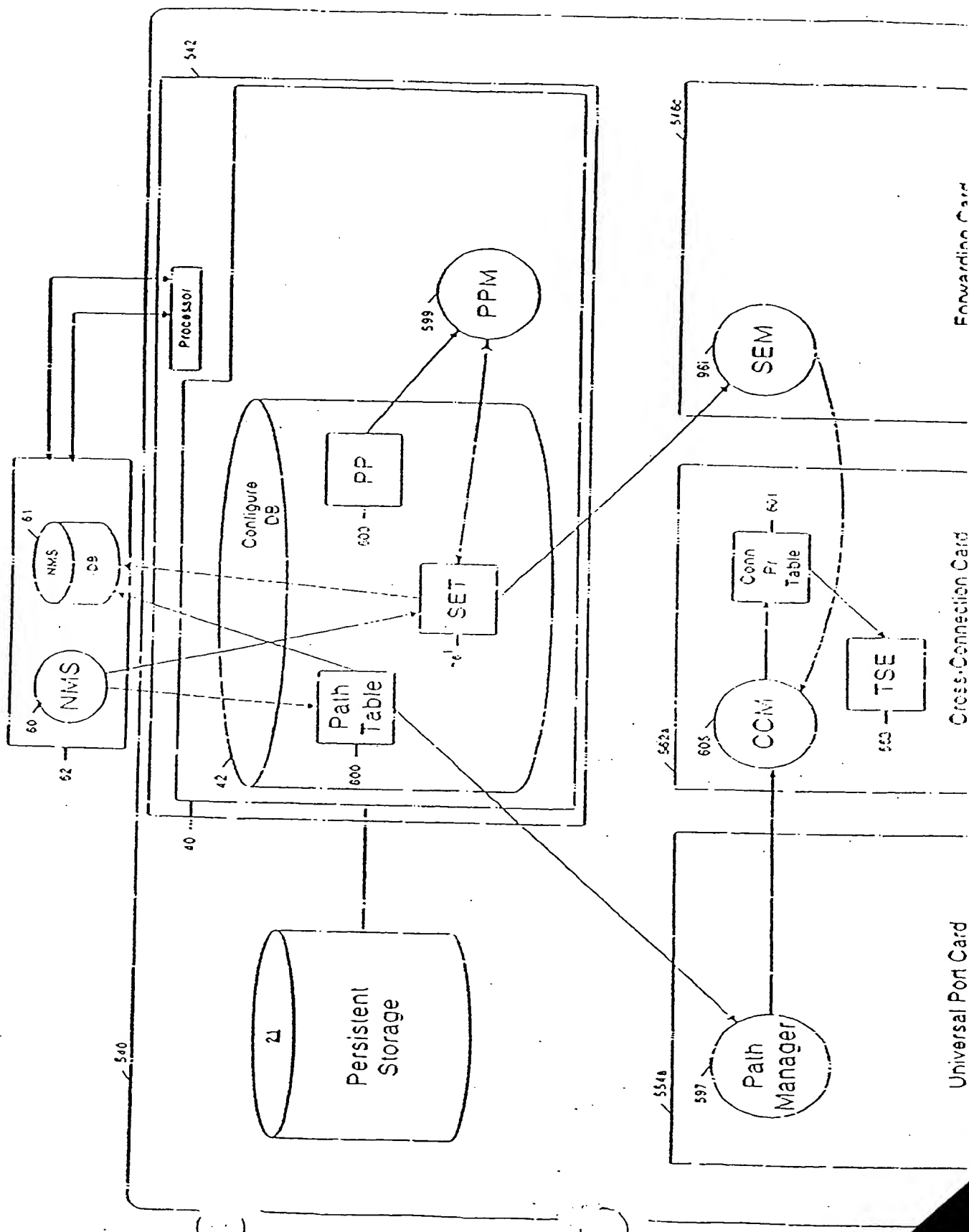


FIG. 38

FIG. 38

Path Table 600

602

Path LID	UP Port LID	Time Slot	# of Time Slots	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

FIG. 39

FIG. 39

Service End Point Table 76'

SE #	Q #	FC LID	FC Slice	FC Time Slot	Path PID	...
878	1				1666	
...

00756936-040004

540 →

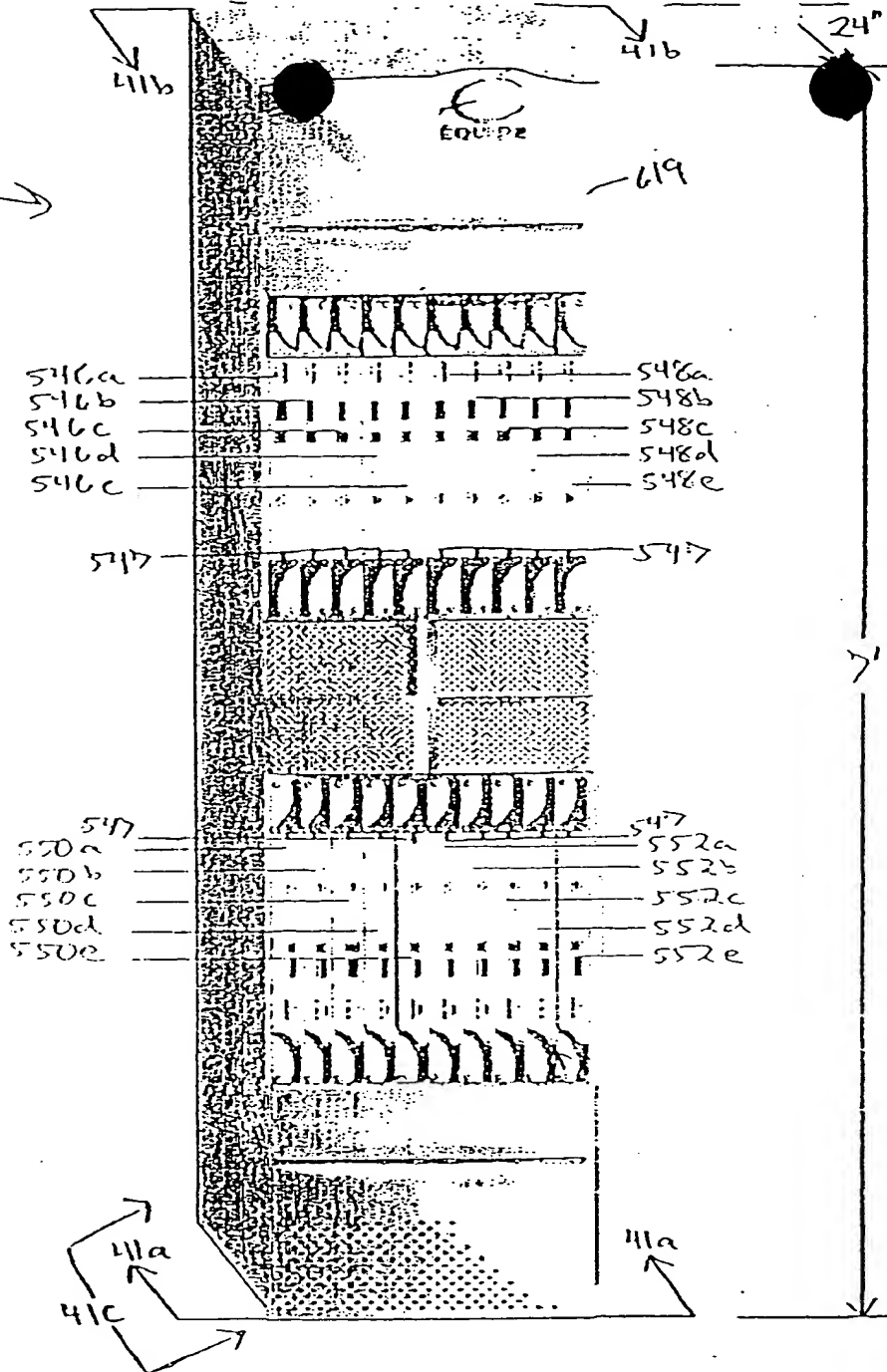
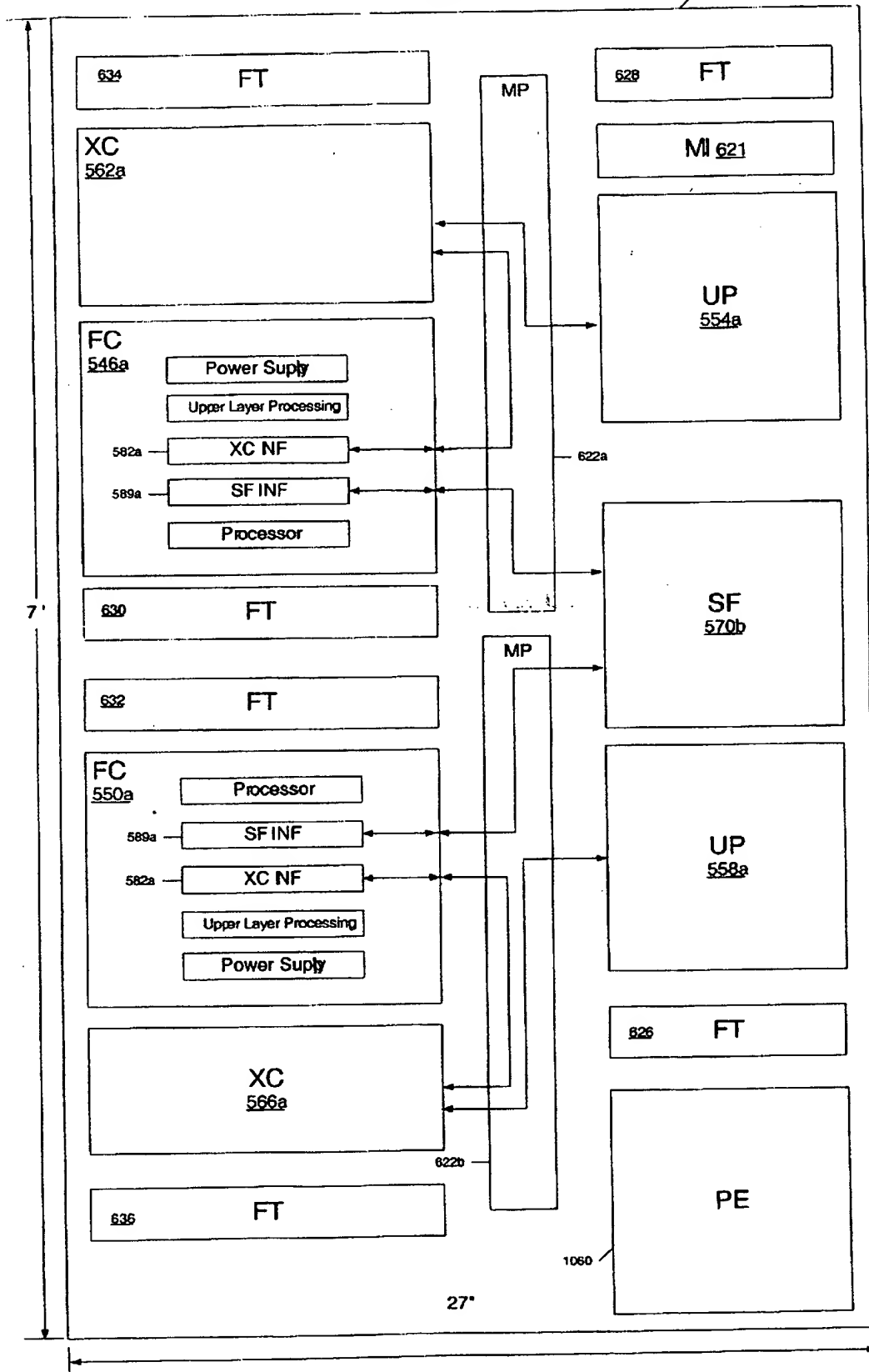


Fig. 40

FIG. 41c
Side



005693-0000

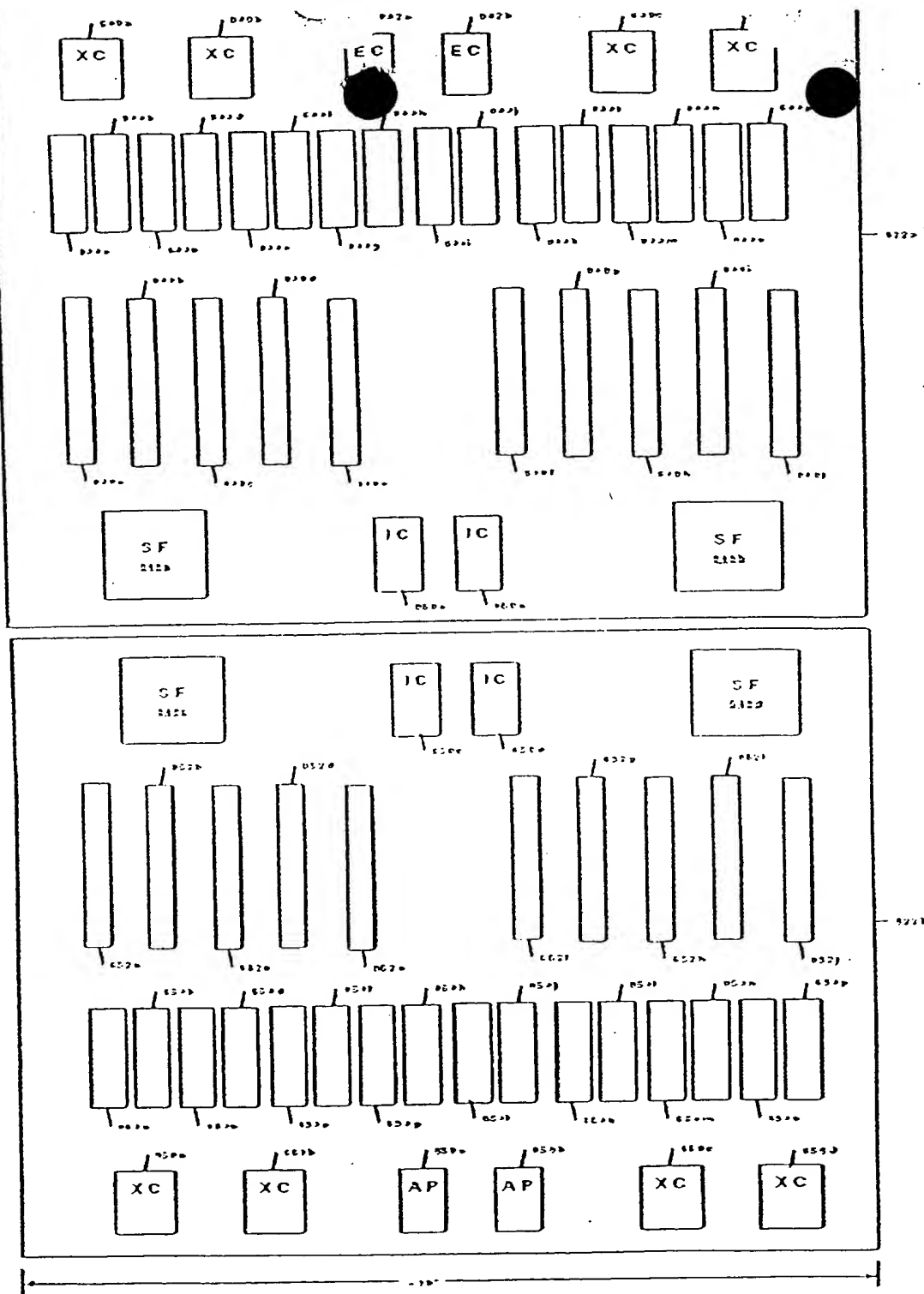
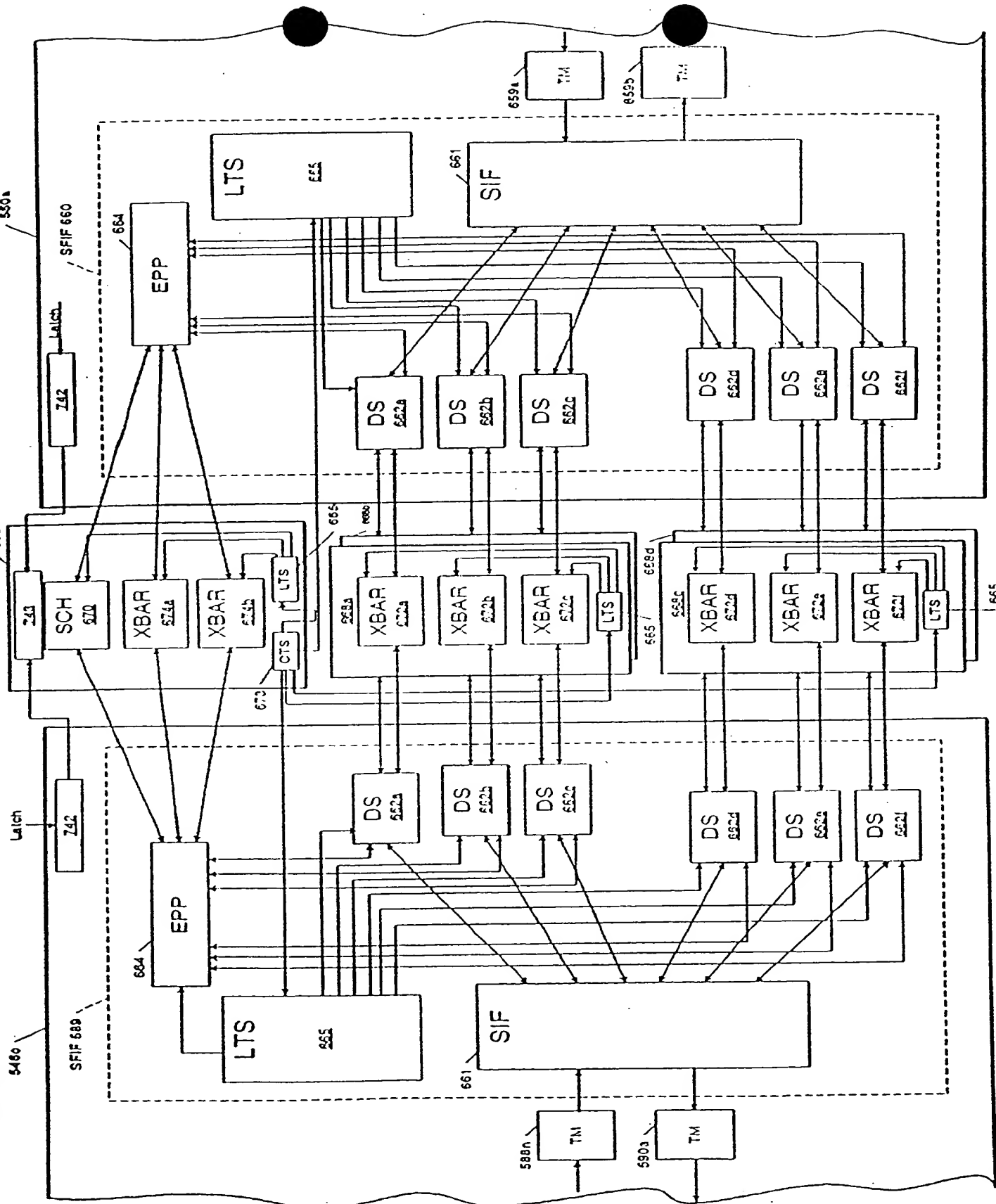


Fig. 42

FIG. 43



540

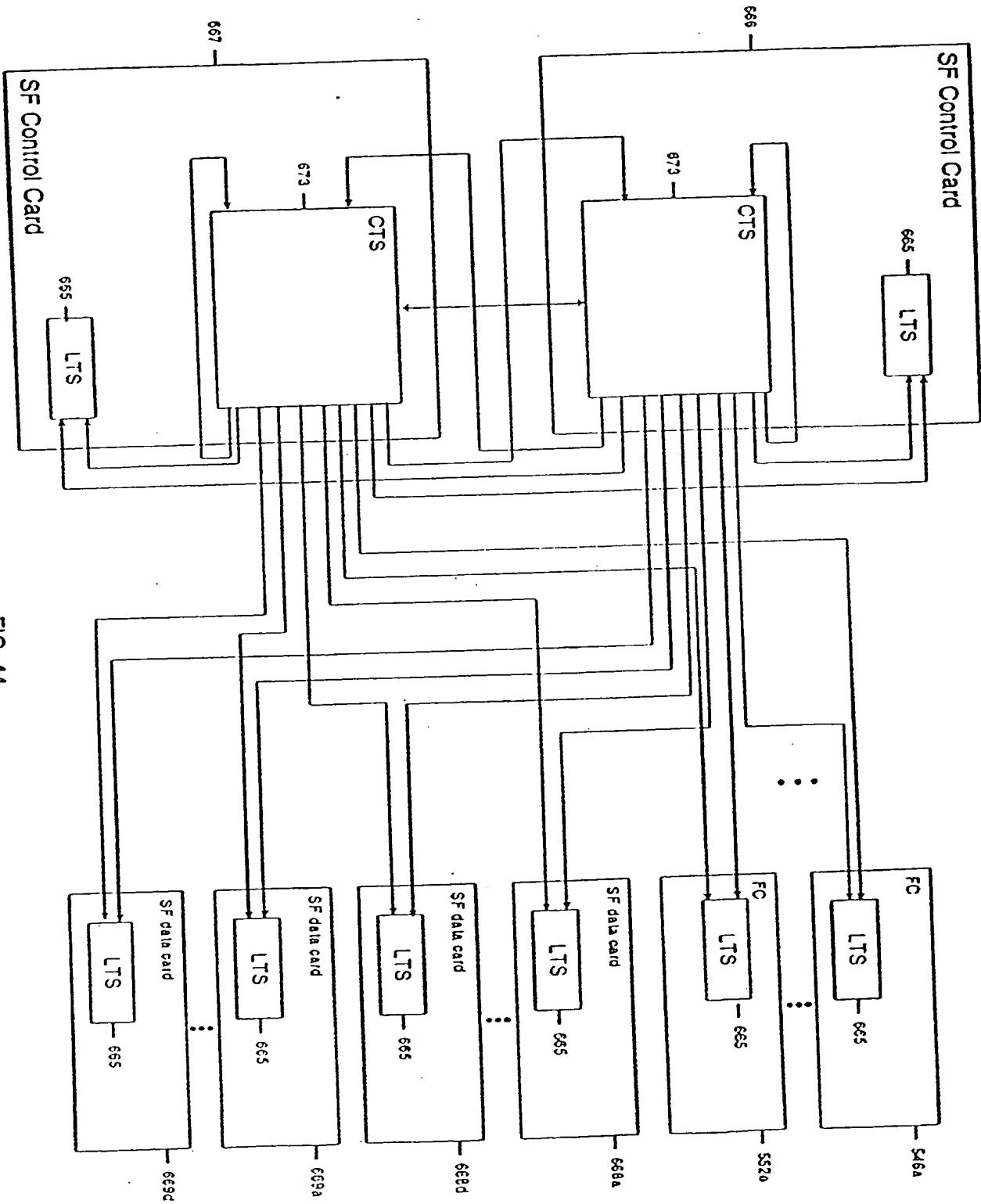
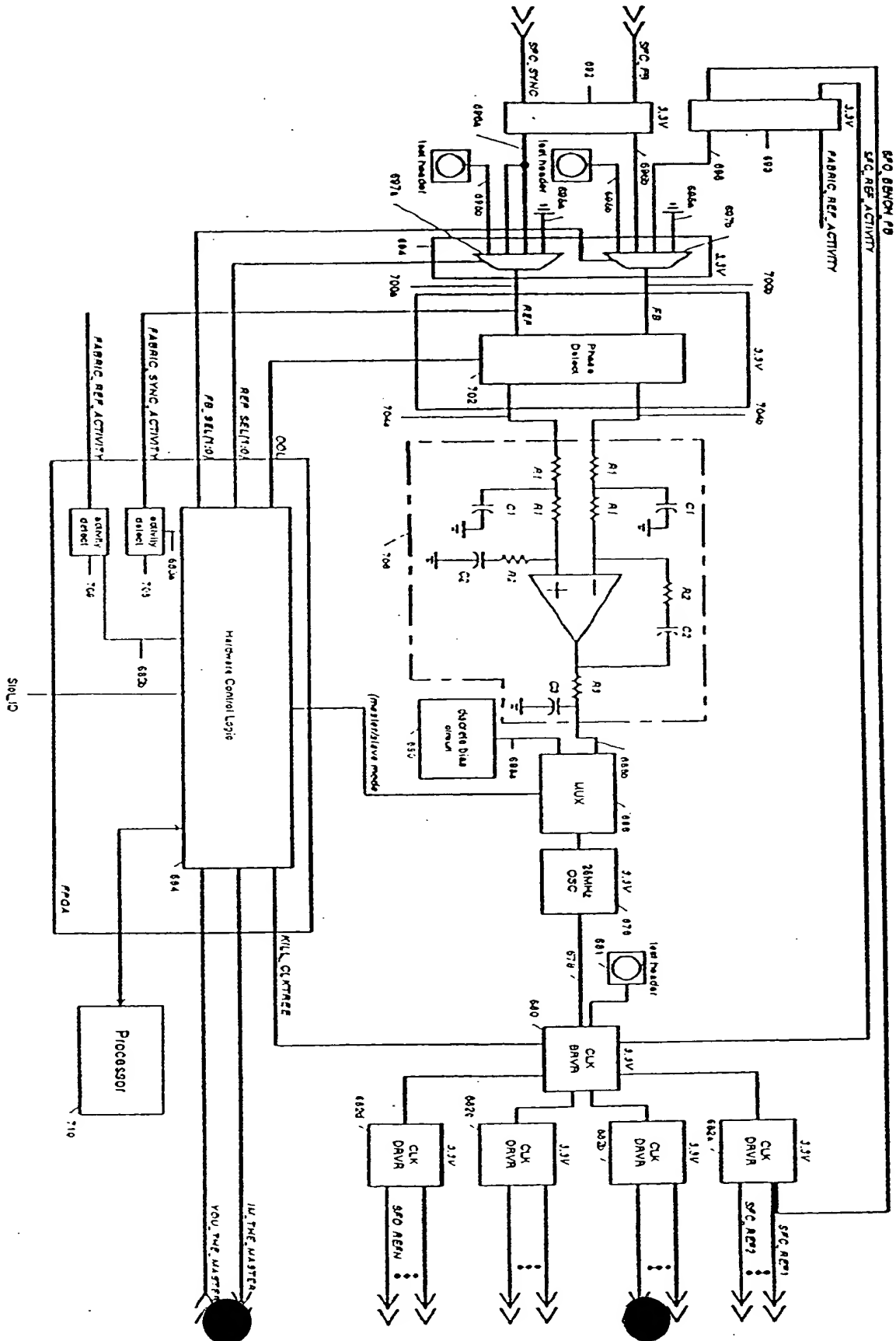


FIG. 44

CTS 673



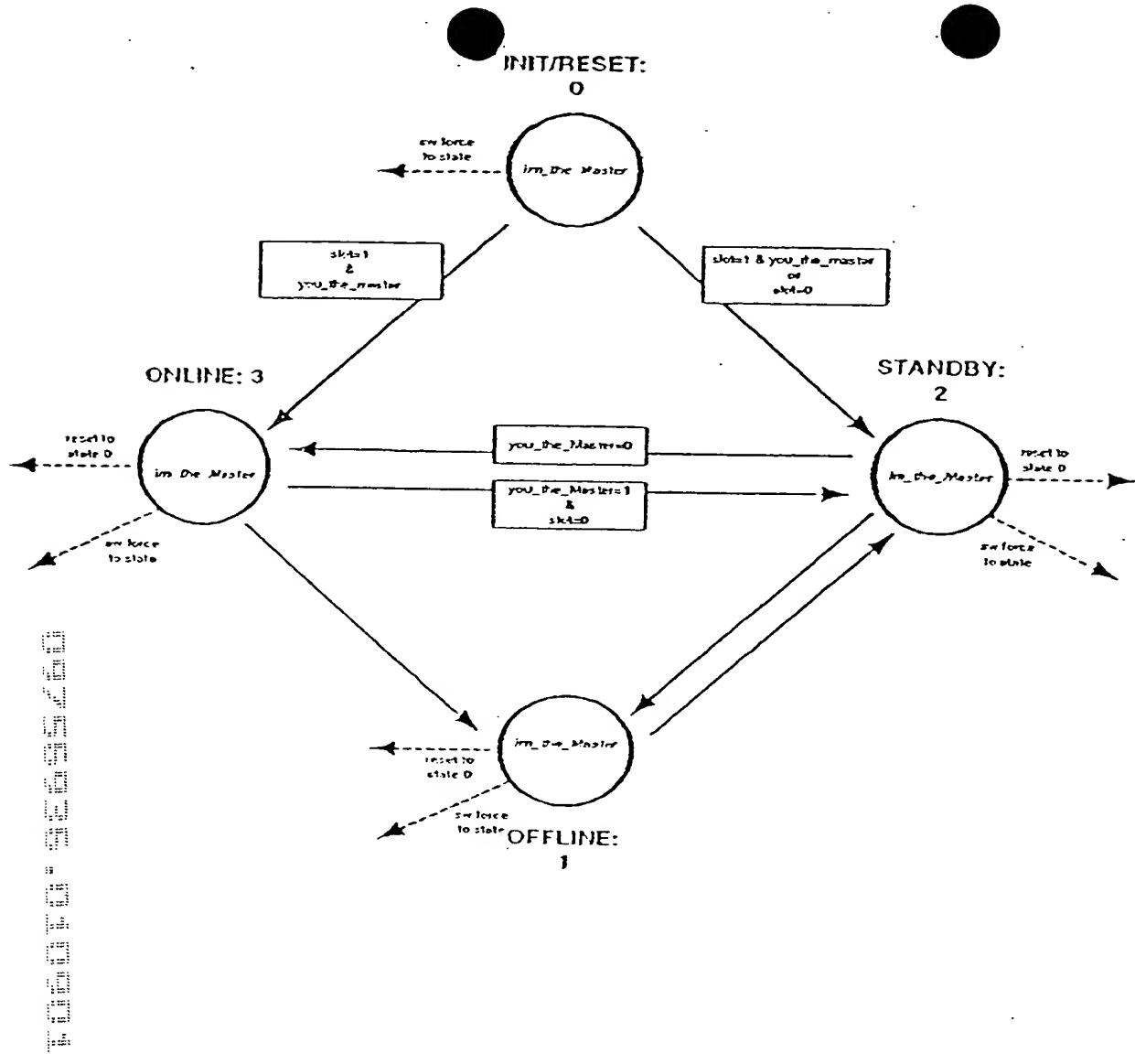
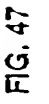


FIG. 46

599



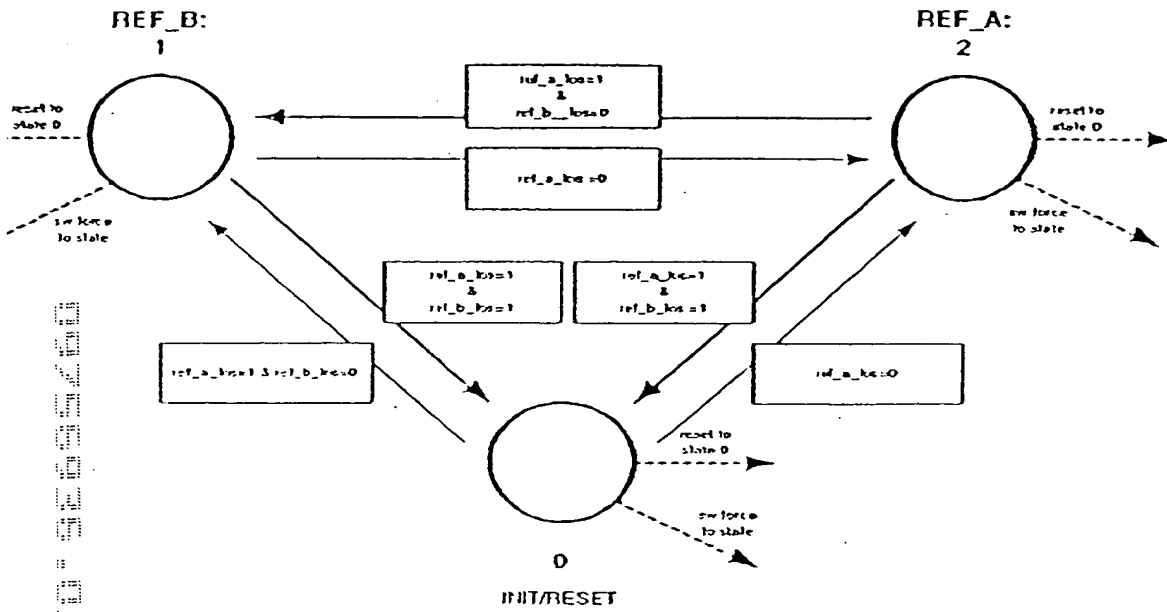
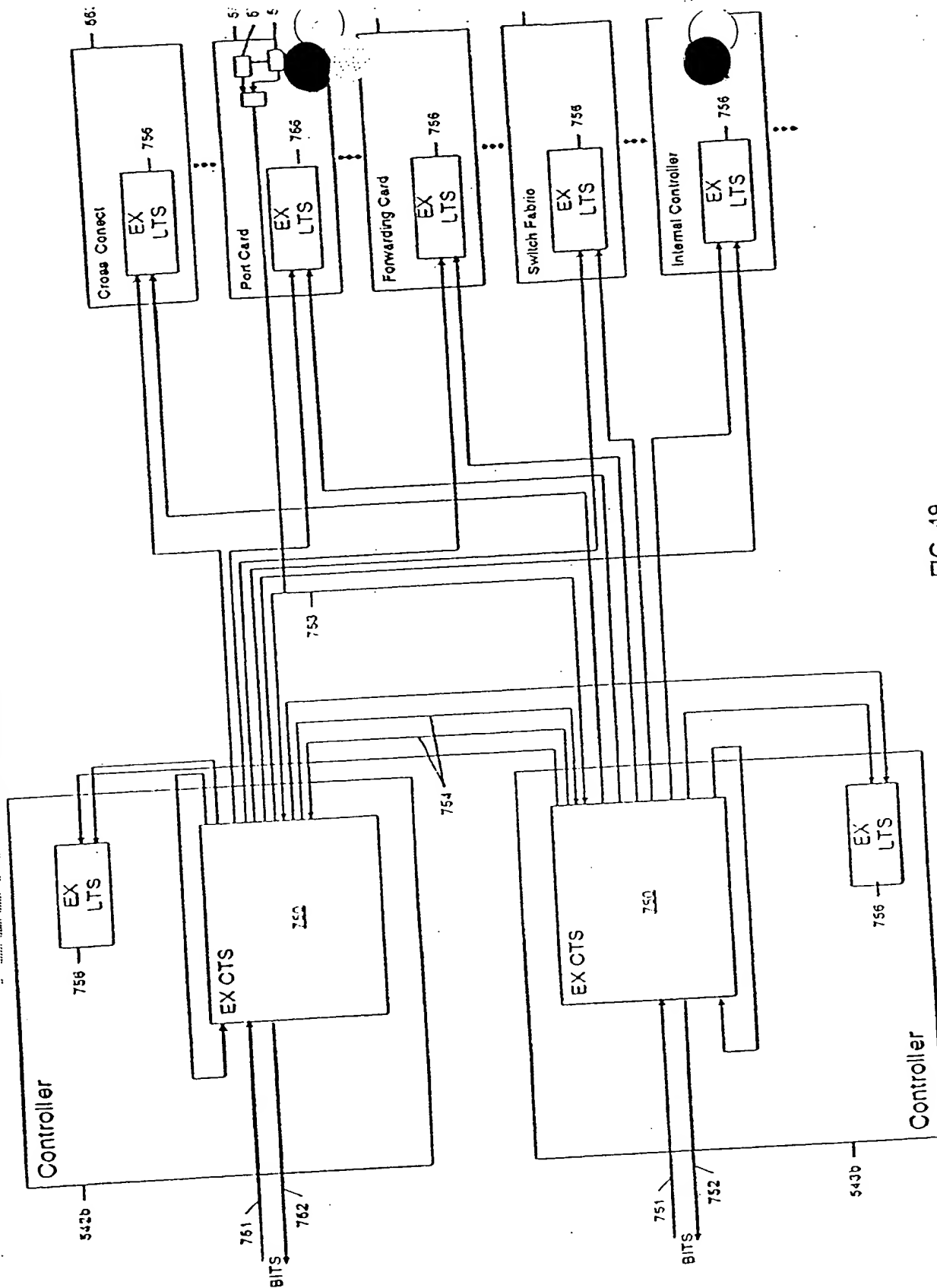


FIG. 48



EXCTS 750

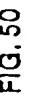


FIG. 50

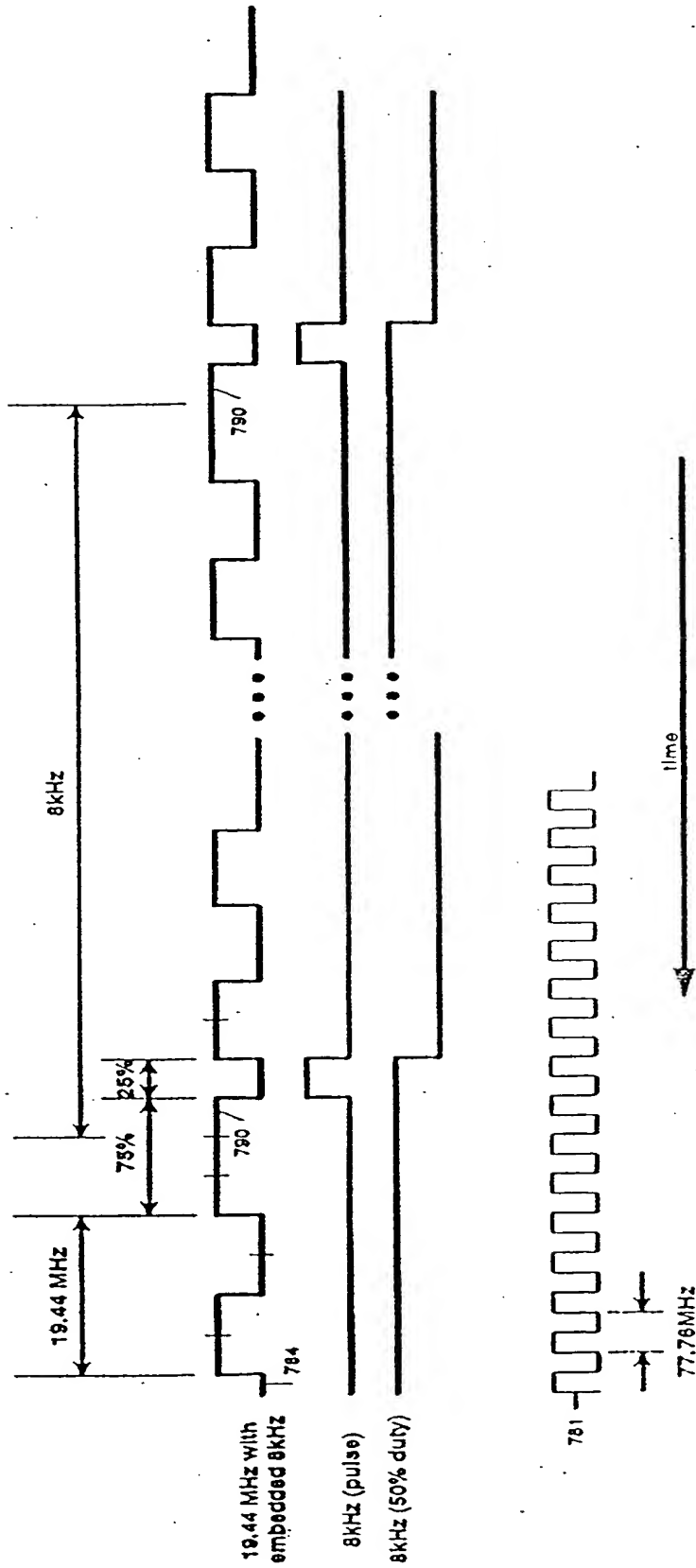


FIG. 51

781 795 2031

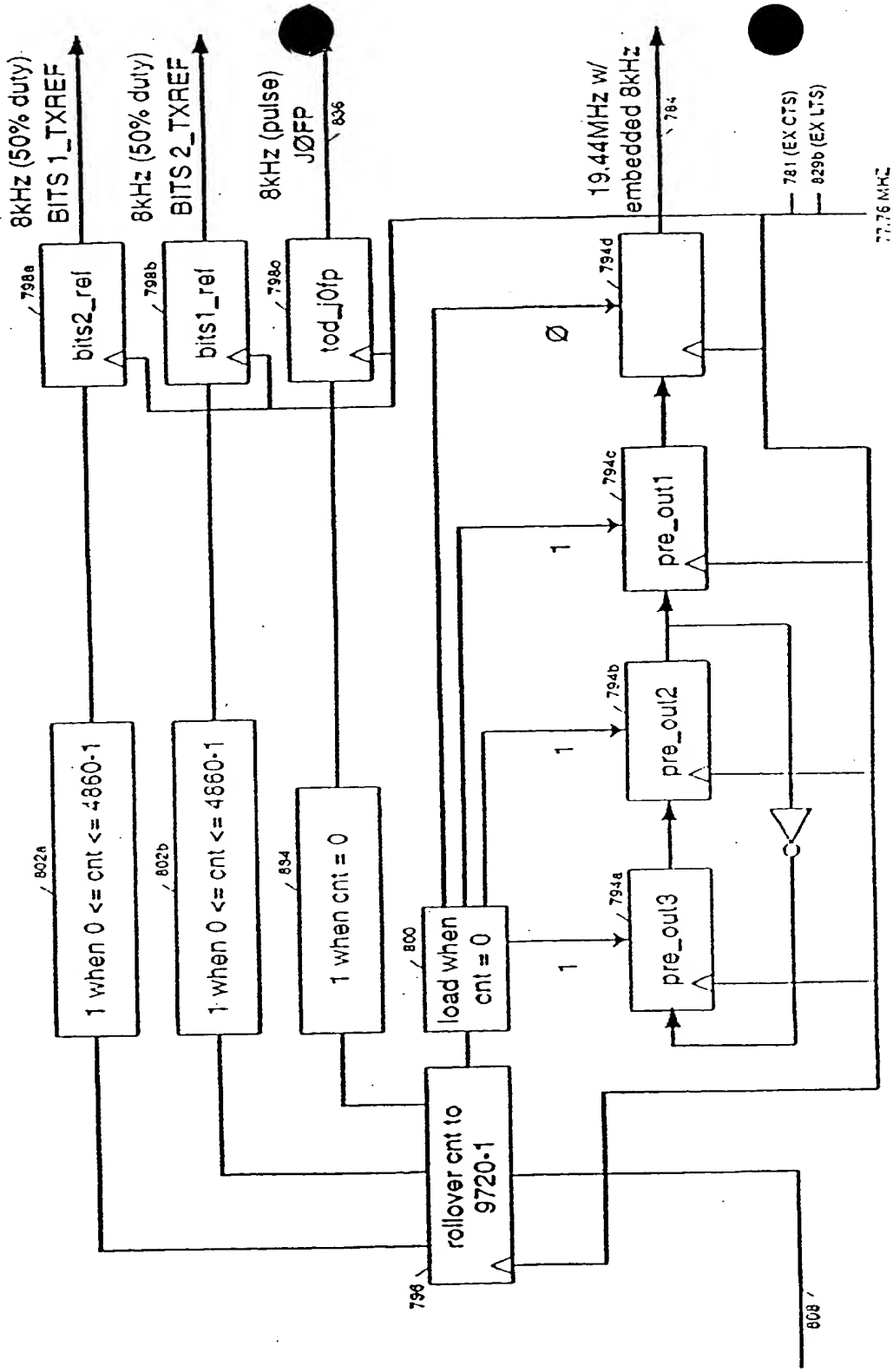
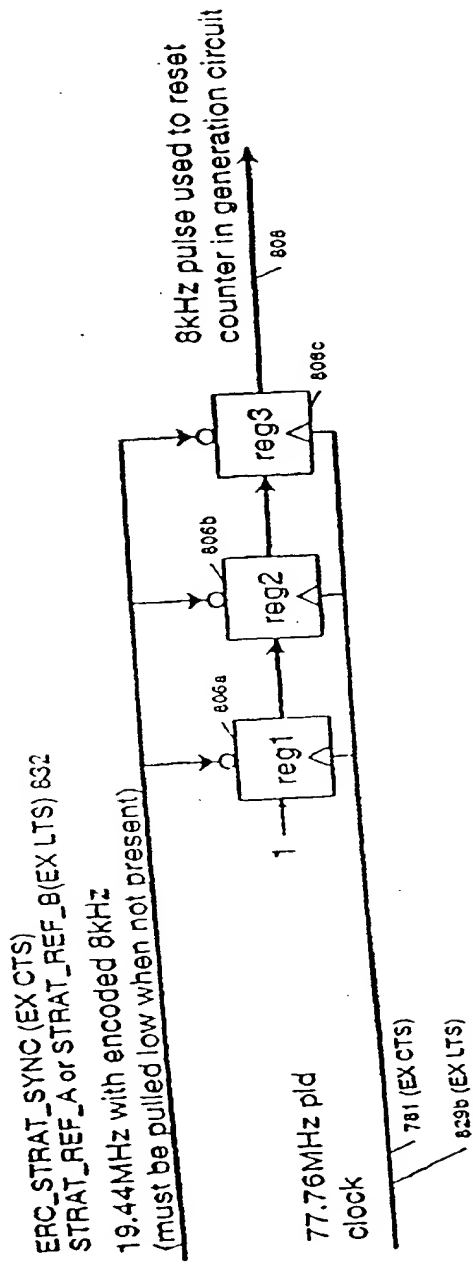


Fig. 52

781 795 2031

804



Extractor

FIG. 53

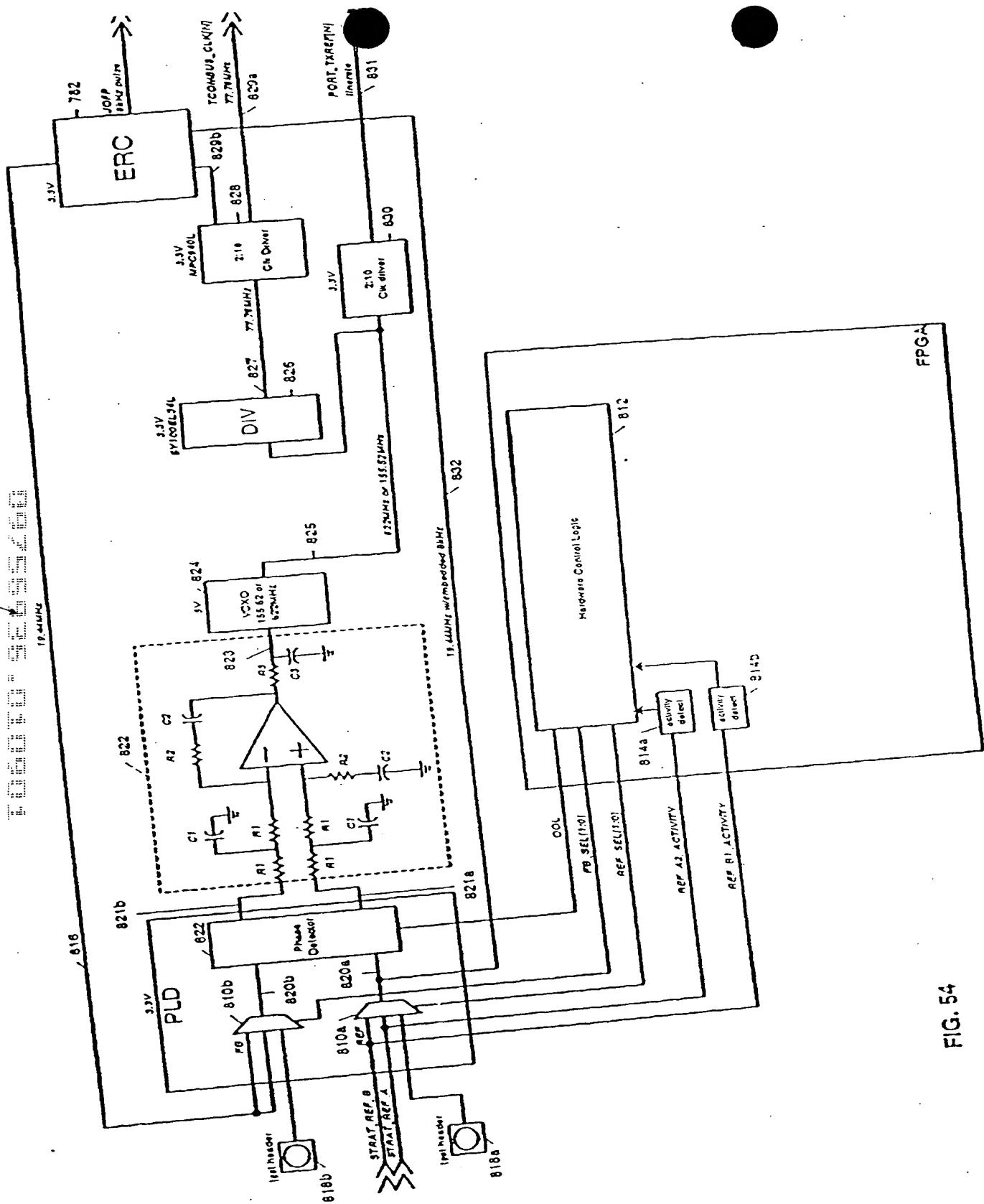


FIG. 54

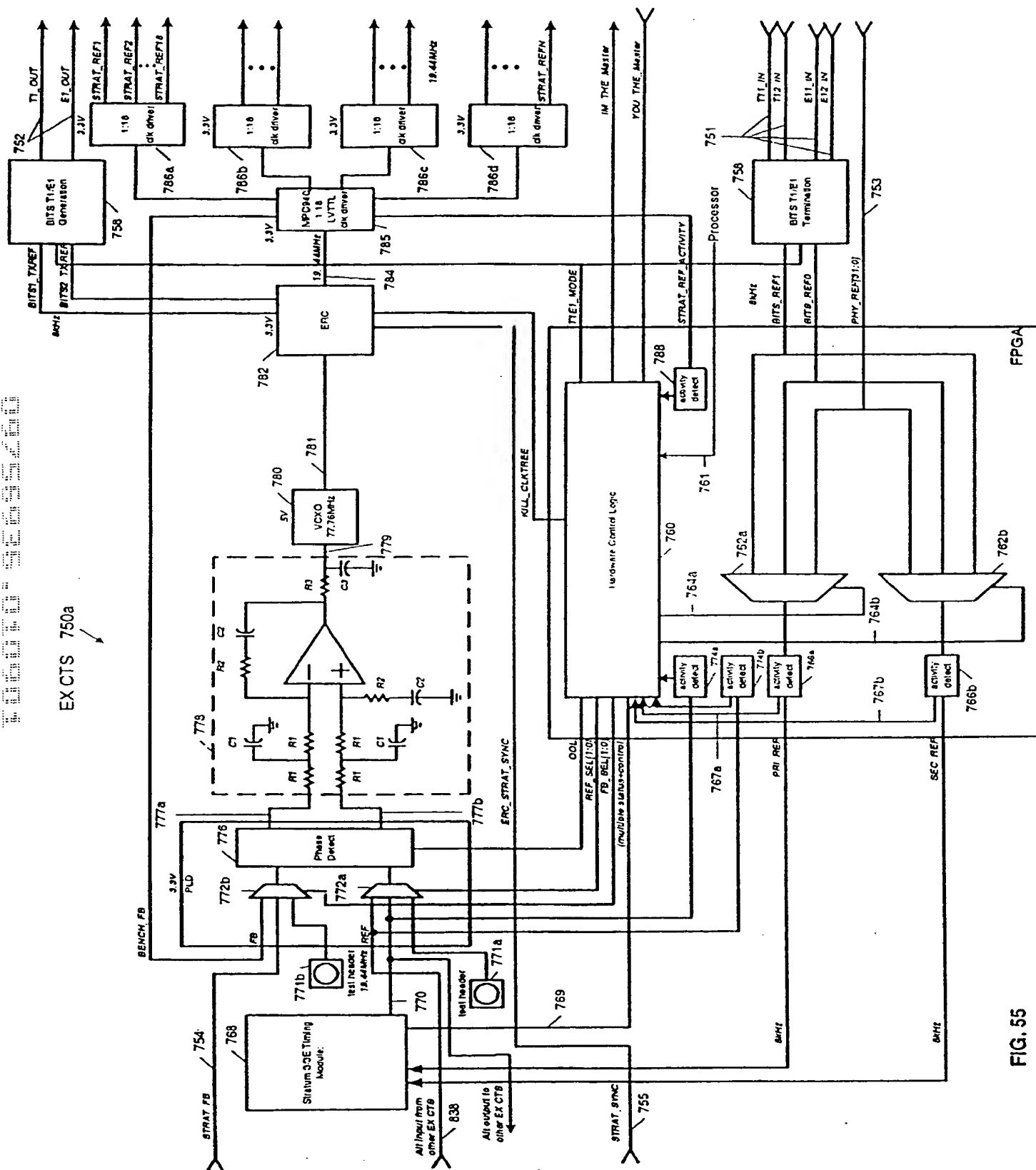


FIG. 55

FIG. 56

Fig. 56

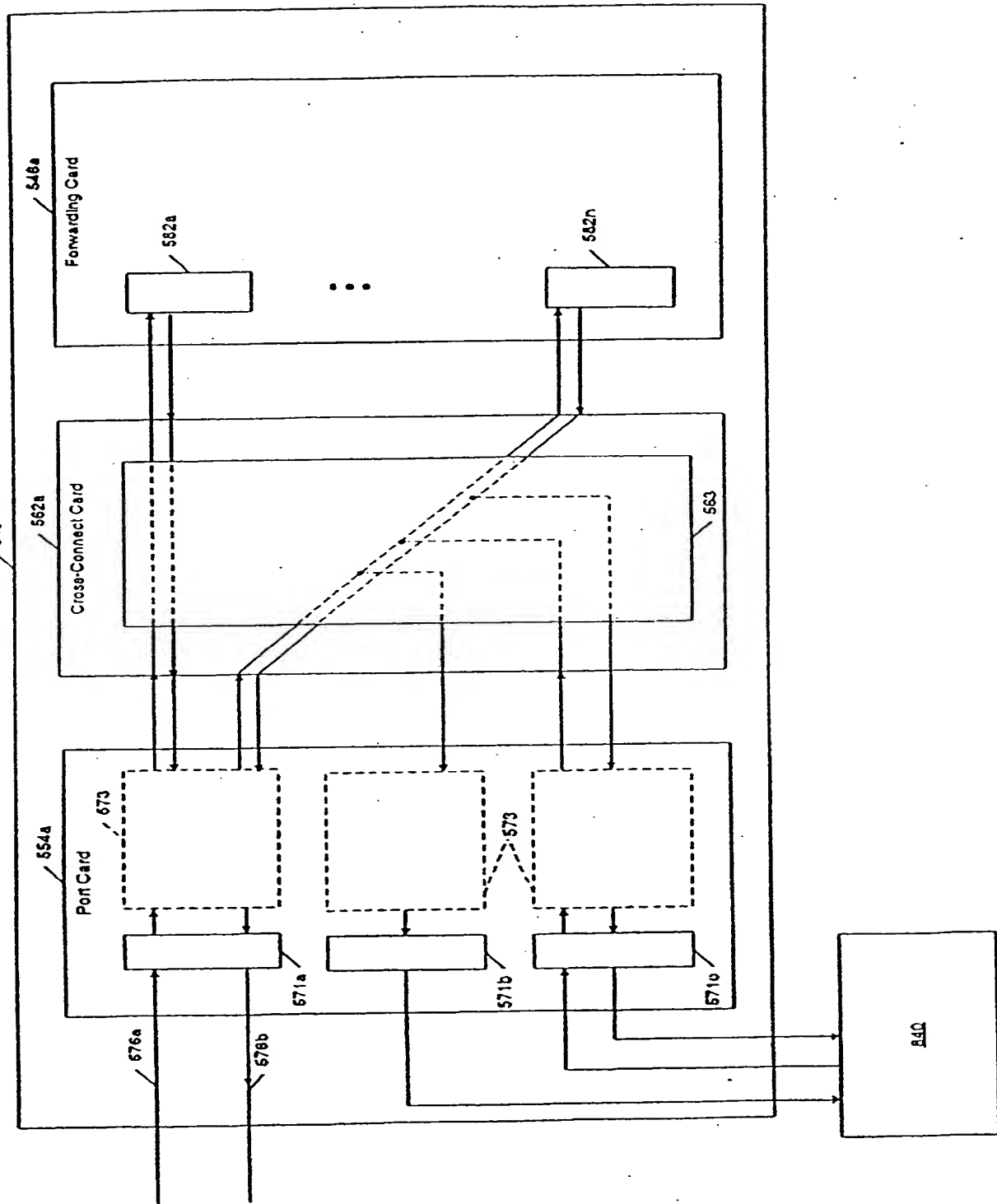


FIG. 57

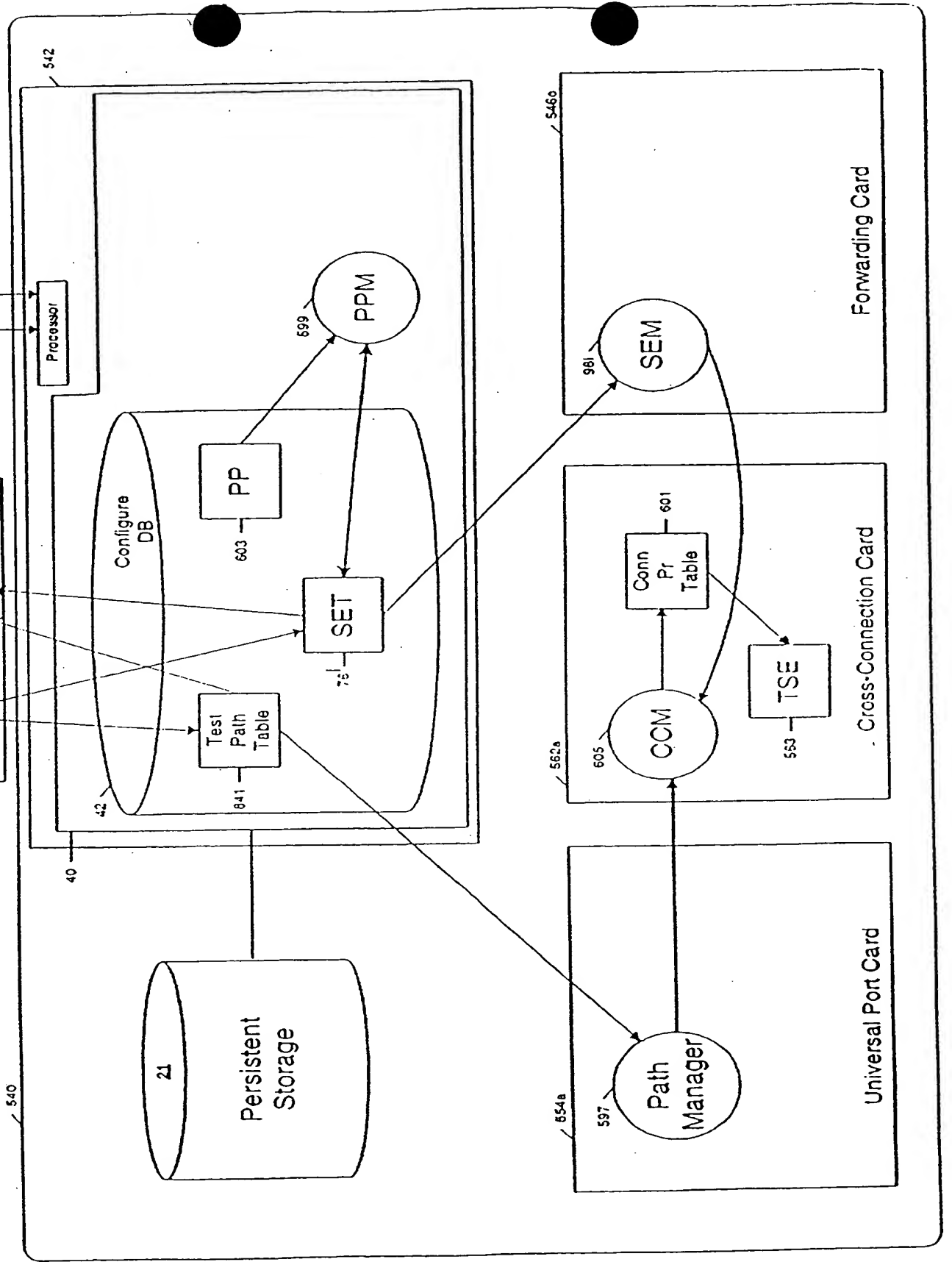


FIG. 58

Test Path Table 841

844		845			
Path LID	UP Port LID	Time Slot	# of Time Slots	Monitor	Enable Port Receiver
1666	1232	4	3	Ingress	No
1666	1233	4	3	Egress	No
1666	1233	4	3	Ingress	Yes
⋮	⋮	⋮	⋮		⋮
⋮	⋮	⋮	⋮		⋮

781 795 2031; Oct-9-00 6:54PM; Page 5

Sent By: Equipe Communications;

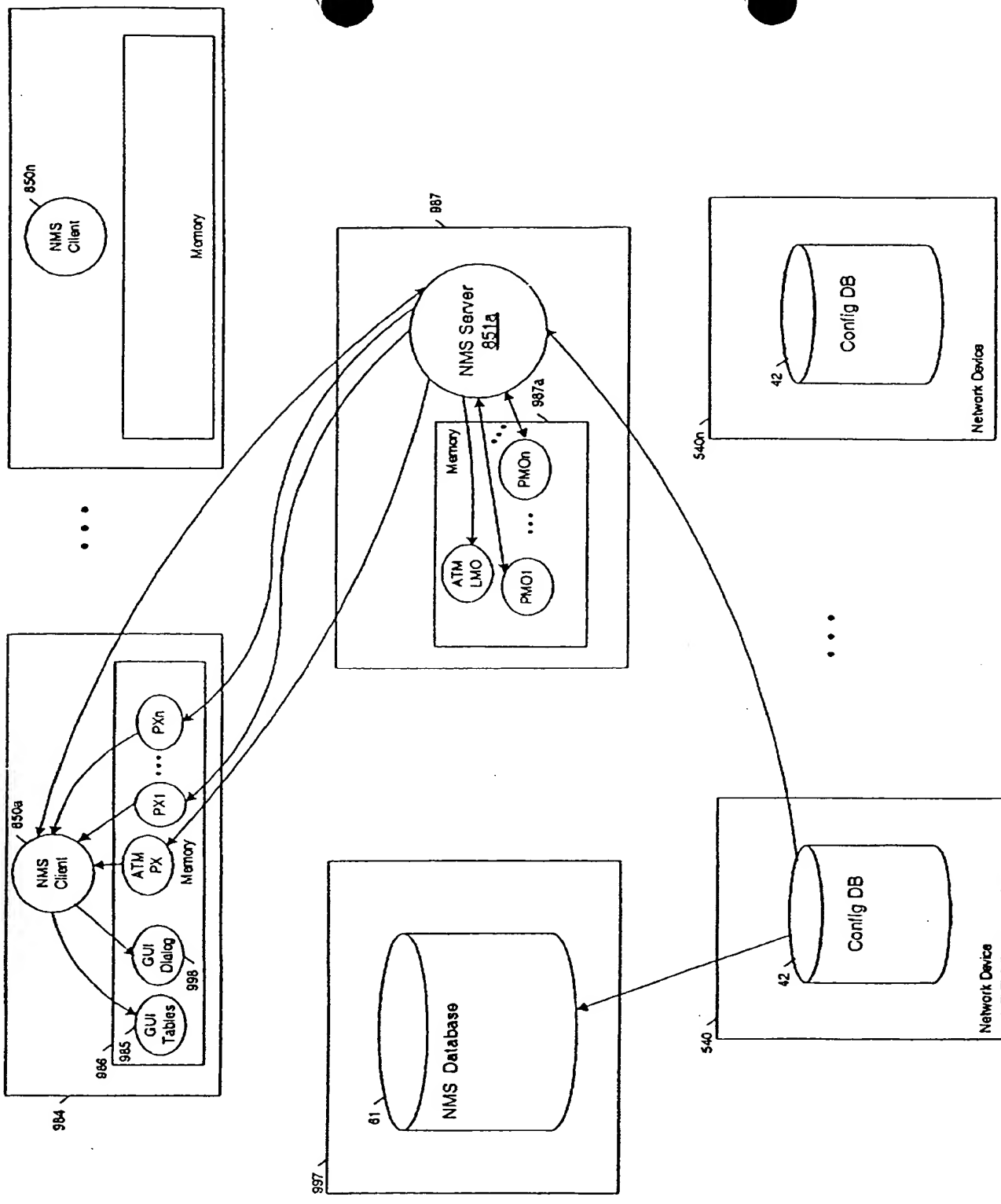


Fig. 59

Fig. 60a

Managed Device Table

983b	PID	A1	...	An	983
	1				983a

Fig. 60b

Chassis Table

988b	PID	A1	...	An	988c	Managed Device PID	988
	1					1	988a
	:	:	:	:		:	

Fig. 60c

Shelf Table

989a	PID	A1	...	An	989	Chassis PID	989b
	3					2	
	4					2	
	:	:	:	:		:	
	18					2	

Fig. 60d

Slot Table

990a	PID	A1	...	An	990	Shelf PID	990b
990c	20					3	
	21					3	
	:	:	:	:		:	
990d	116					18	

CARD TABLE

47a	47b		47c	
	PID	CWD TYPE	VERSION NO.	SLOT PID
120	0XF002	3	20	...
121	0XF002	4	21	...
...
124	0X6002	1	24	...
...
131	0XF002	1	31	...
...

FIG. 60e

PORT TABLE

49a	49b		49c	
	PID	PORT TYPE	VERSION NO.	CARD PID

300	00620	1	20	
301	00620	1	20	
302	00620	1	20	
303	00620	1	20	
304	00820	1	20	
...
400	00620	1	39	
...

FIG. 60f

FIG. 60g

SONET Path Table 600

600a	600b	Path LID	Port PID	Time Slot	# of Time Slots	...
		901	304	4	3	
	

FIG. 60h

Service EndPoint Table 76 "

76a

76c

76d

76e

76b

SE LID	Q #	FC PID	FC Slice PID	FC Time Slot	Path LID	...
3000					901	
...

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	34.5	12.5	18	65
Gender	0.5	0.5	0	1
Marital Status	0.7	0.5	0	1
Education	12.5	2.5	9	16
Income	35000	15000	10000	70000
Health	0.8	0.4	0	1
Exercise	0.3	0.5	0	1
Stress	0.6	0.5	0	1
Sleep	0.7	0.4	0	1
Diet	0.5	0.5	0	1
Smoking	0.2	0.4	0	1
Alcohol	0.1	0.3	0	1
Family Size	2.5	1.5	1	6
Work Hours	40	10	20	60
Job Satisfaction	0.6	0.5	0	1
Life Satisfaction	0.7	0.4	0	1

ATM IF Table

ATM IF LID	ATM Group LID	SE LID	...
5054		3000	...
⋮	⋮	⋮	...

Fig. 60j

Virtual ATM IF Table

993a	LID	A1	...	An	ATM IF LID	993b	993
	7489				5054		
	⋮	⋮	⋮	⋮	⋮		

Fig. 60k

Virtual Connection Table

994a	LID	A1	...	An	Vir. ATM IF LID	994b	994
	⋮	⋮	⋮	⋮	⋮		

Fig. 60L

Virtual Link Table

995a	LID	A1	...	An	995b	995c	995
	⋮	⋮	⋮	⋮	Vir. Conn. LID	Cross-Conn. LID	

Fig. 60m

Cross-Connect Table

996a	LID	A1	...	An	996b	996c	996
	⋮	⋮	⋮	⋮	Vir. Link1 LID	Vir. Link2 LID	

Fig. 61a

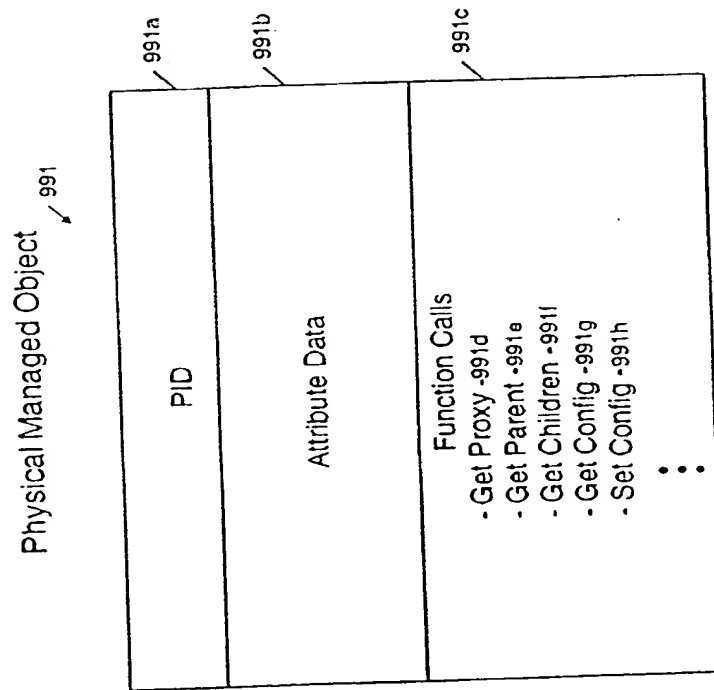
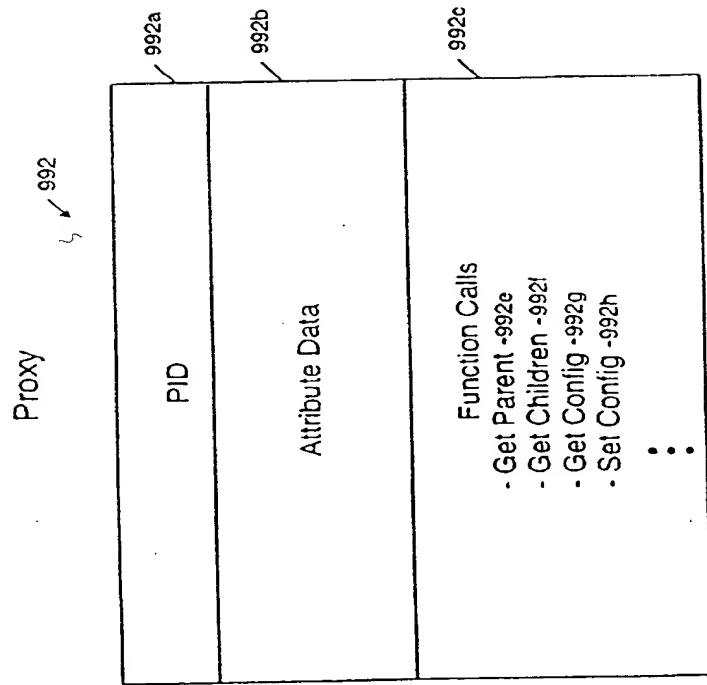


Fig. 61b



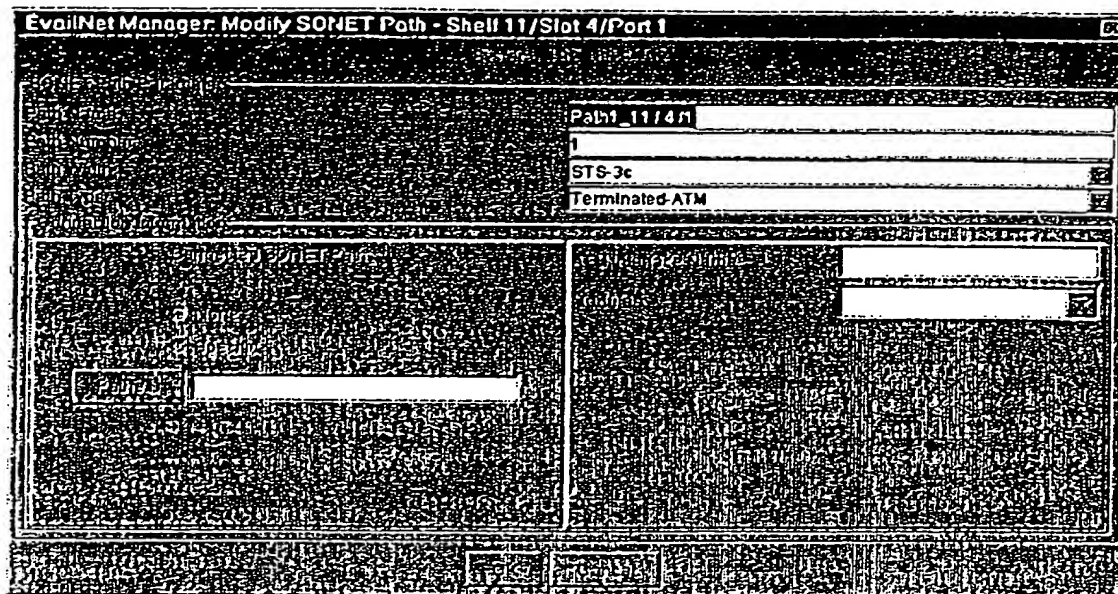
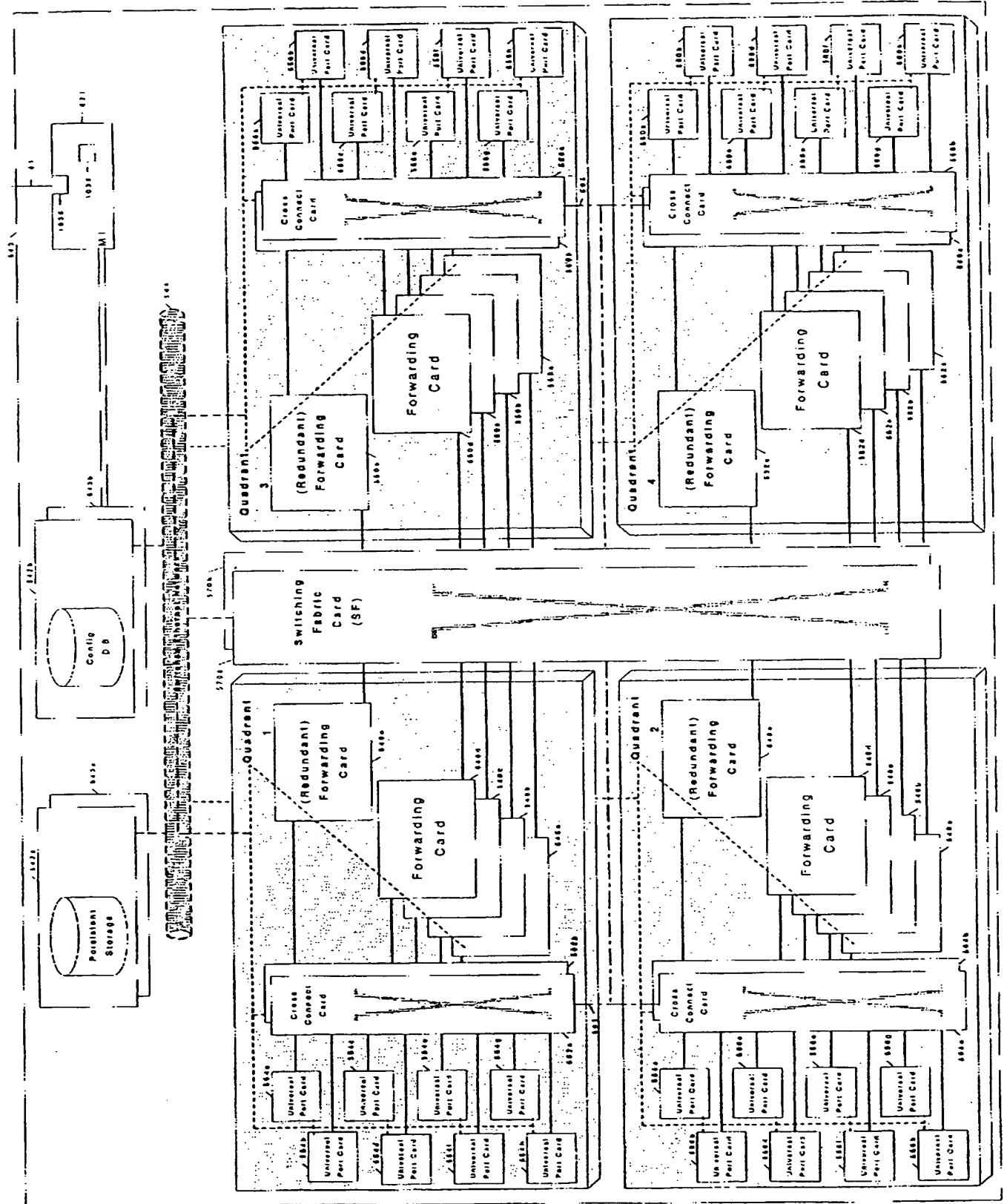


Fig. 62

00766636 0409004

[illegible]

Administration Managed Device Table

[illegible]

FIG. 65

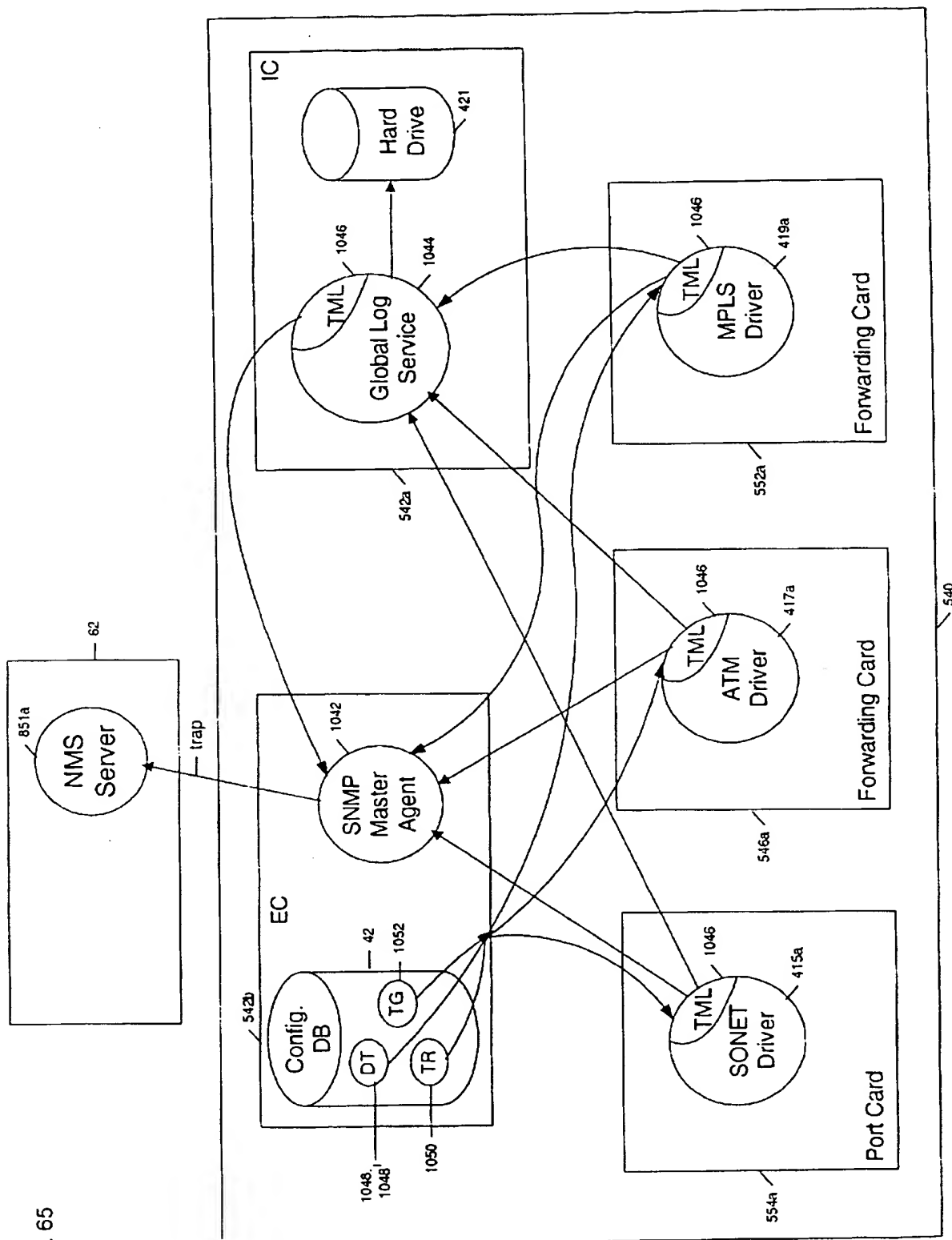
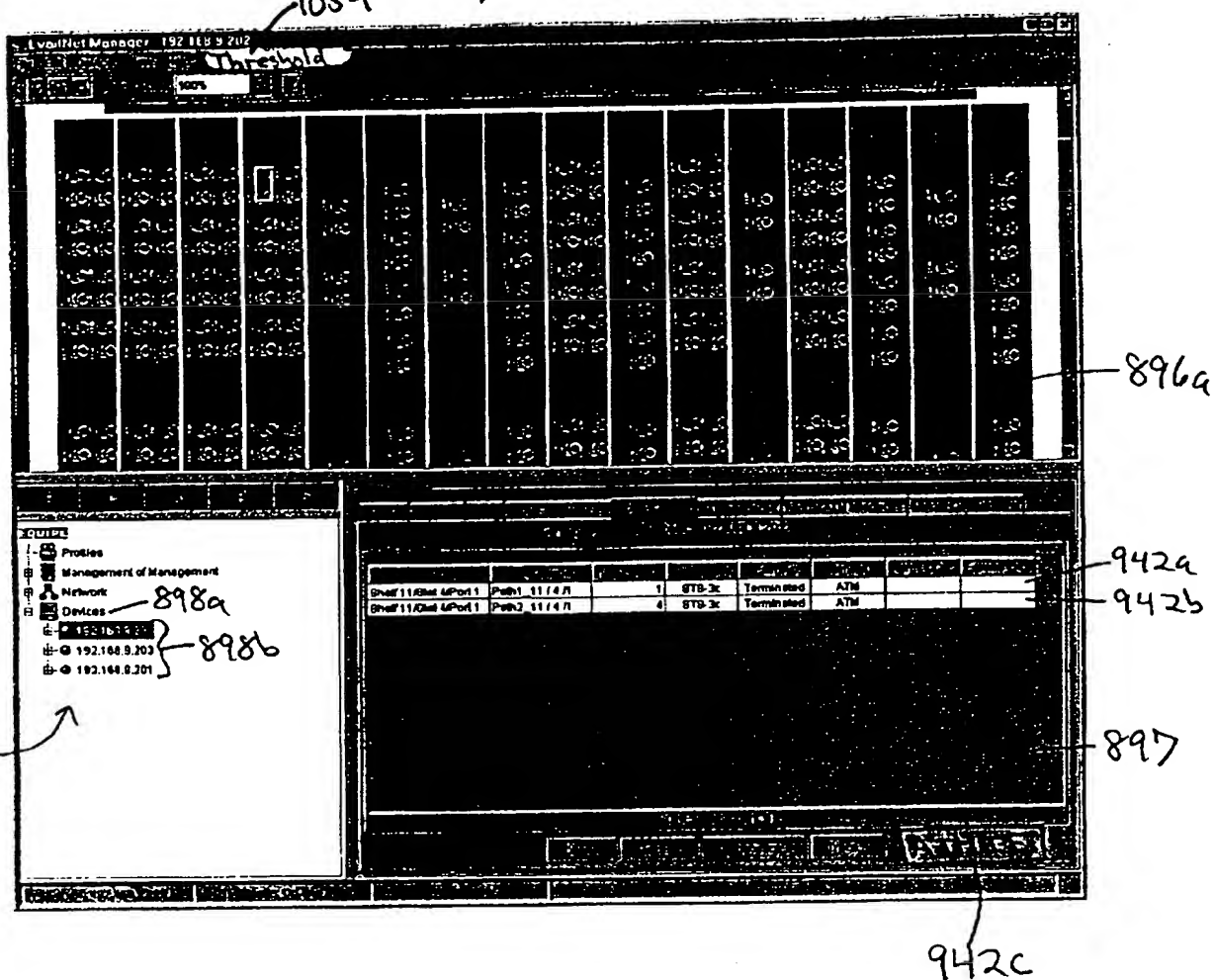


Fig. 65



F: q. 66a

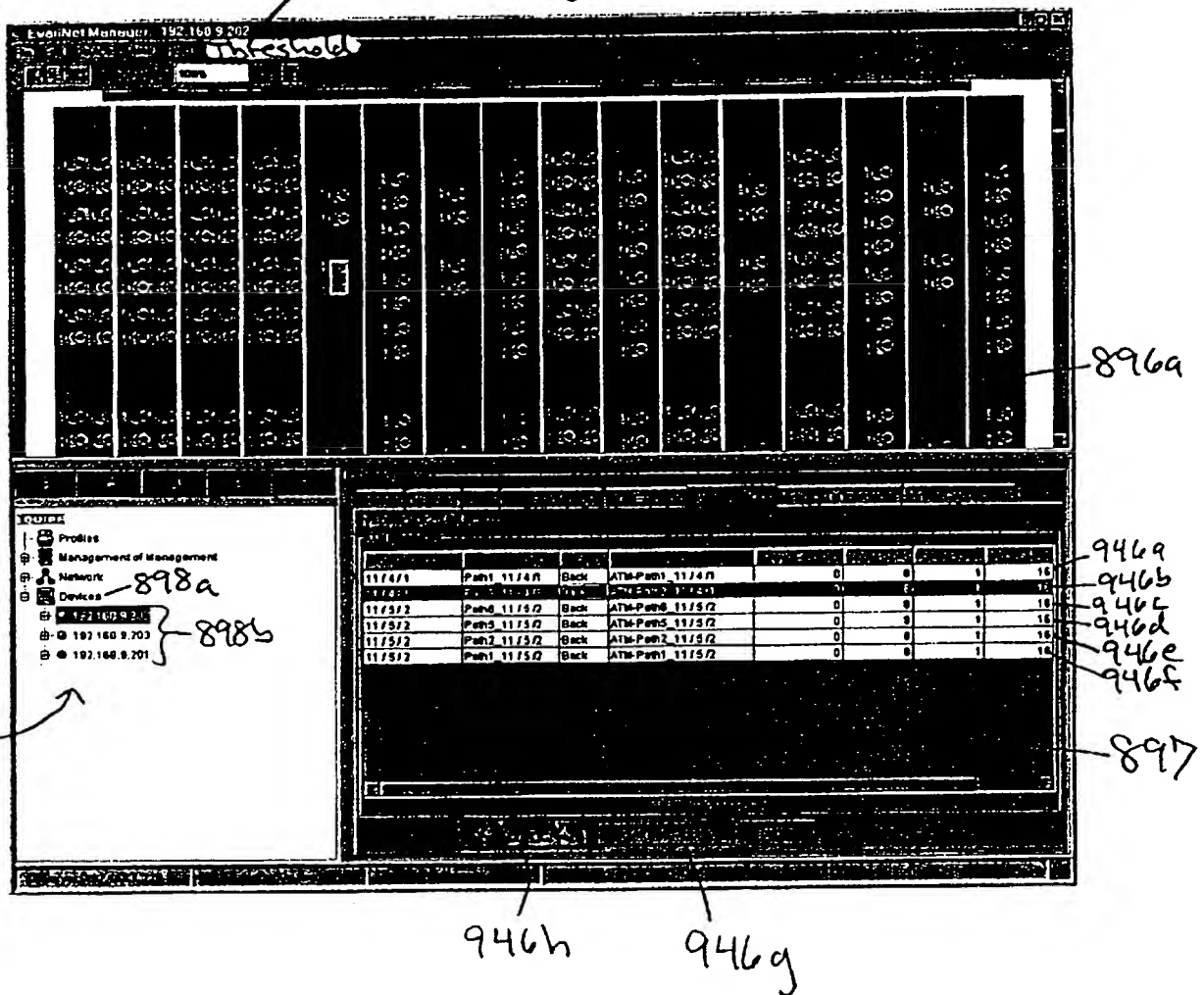


Fig. 66b

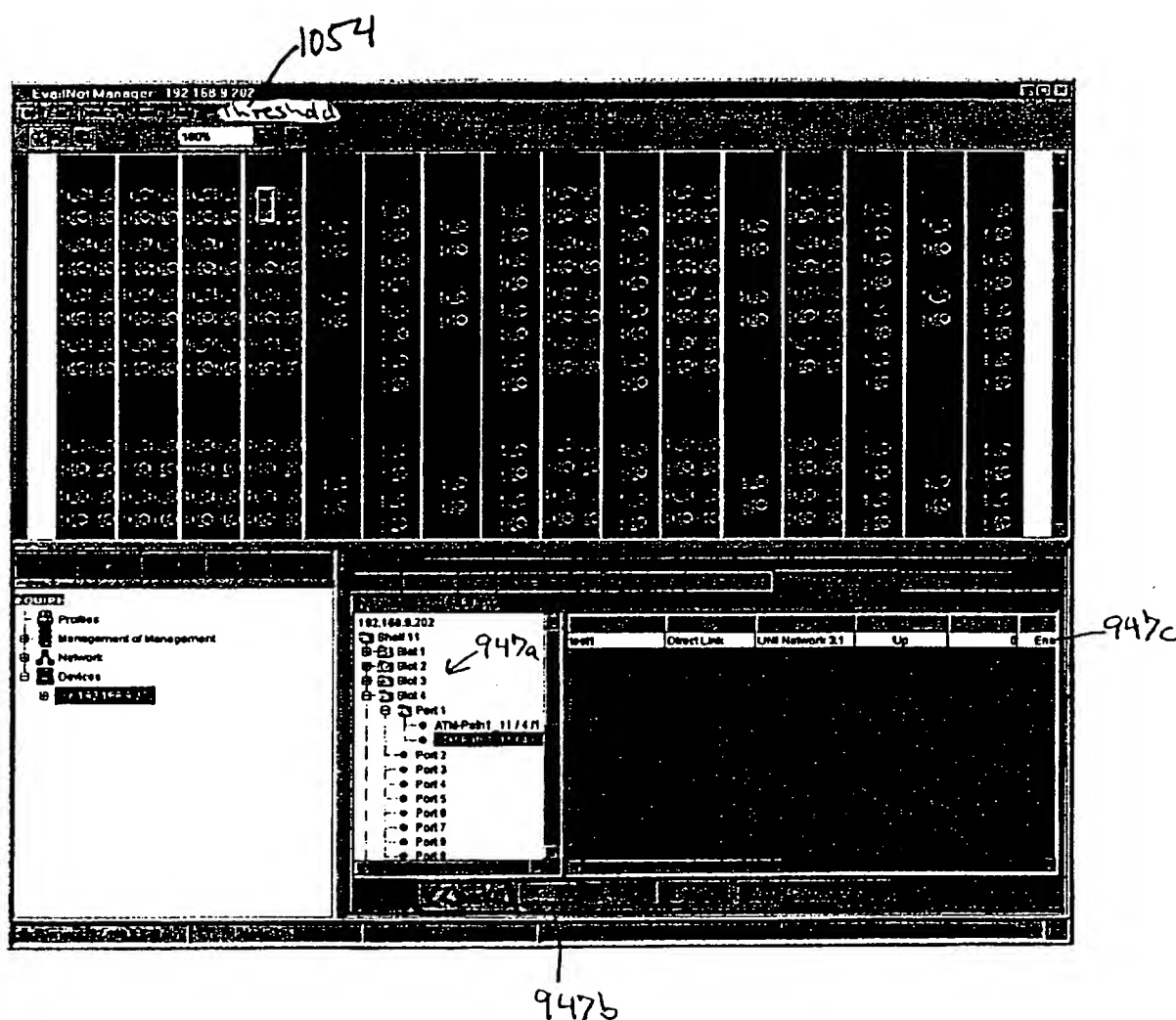
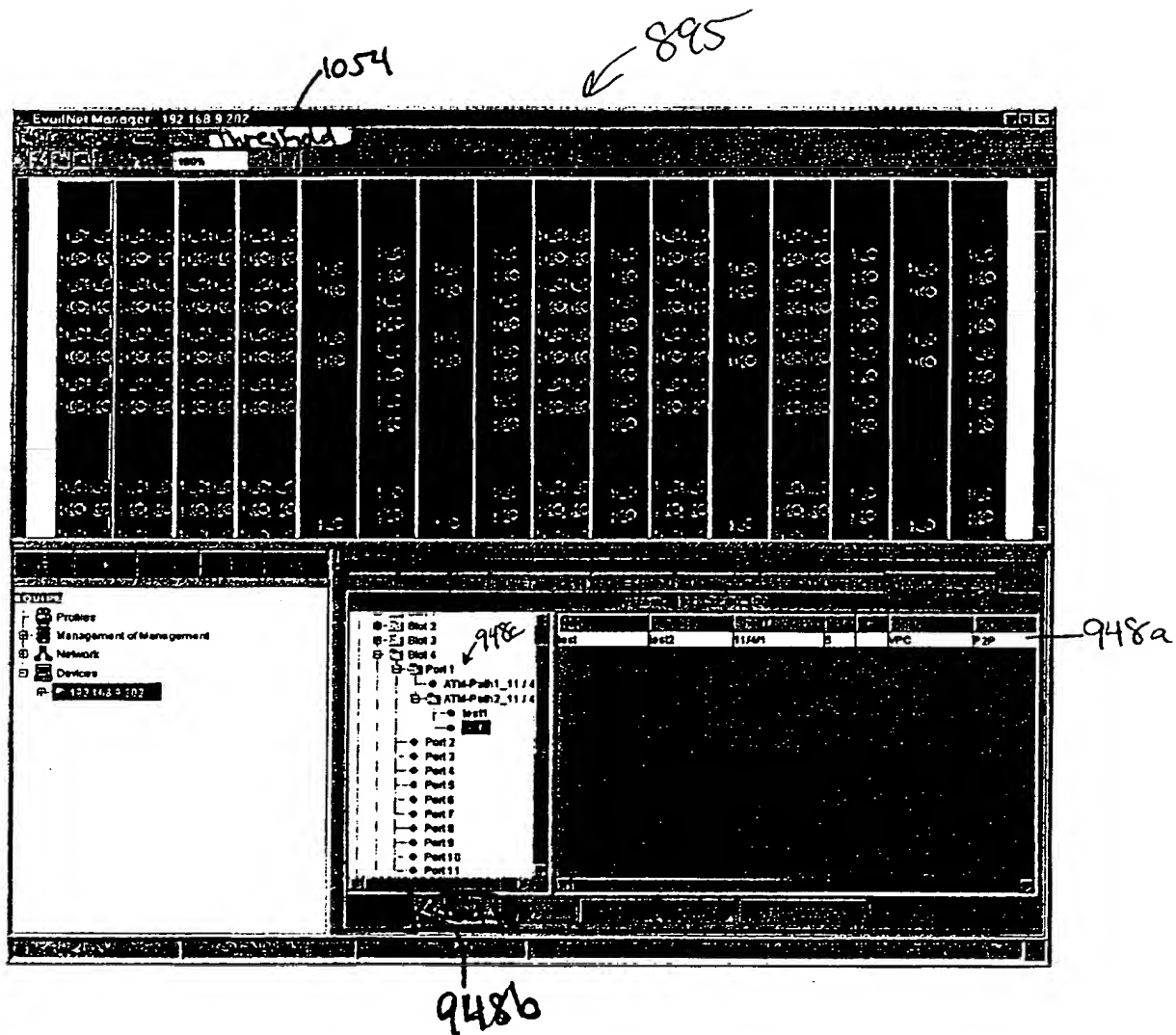
[illegible]

Fig. 66c



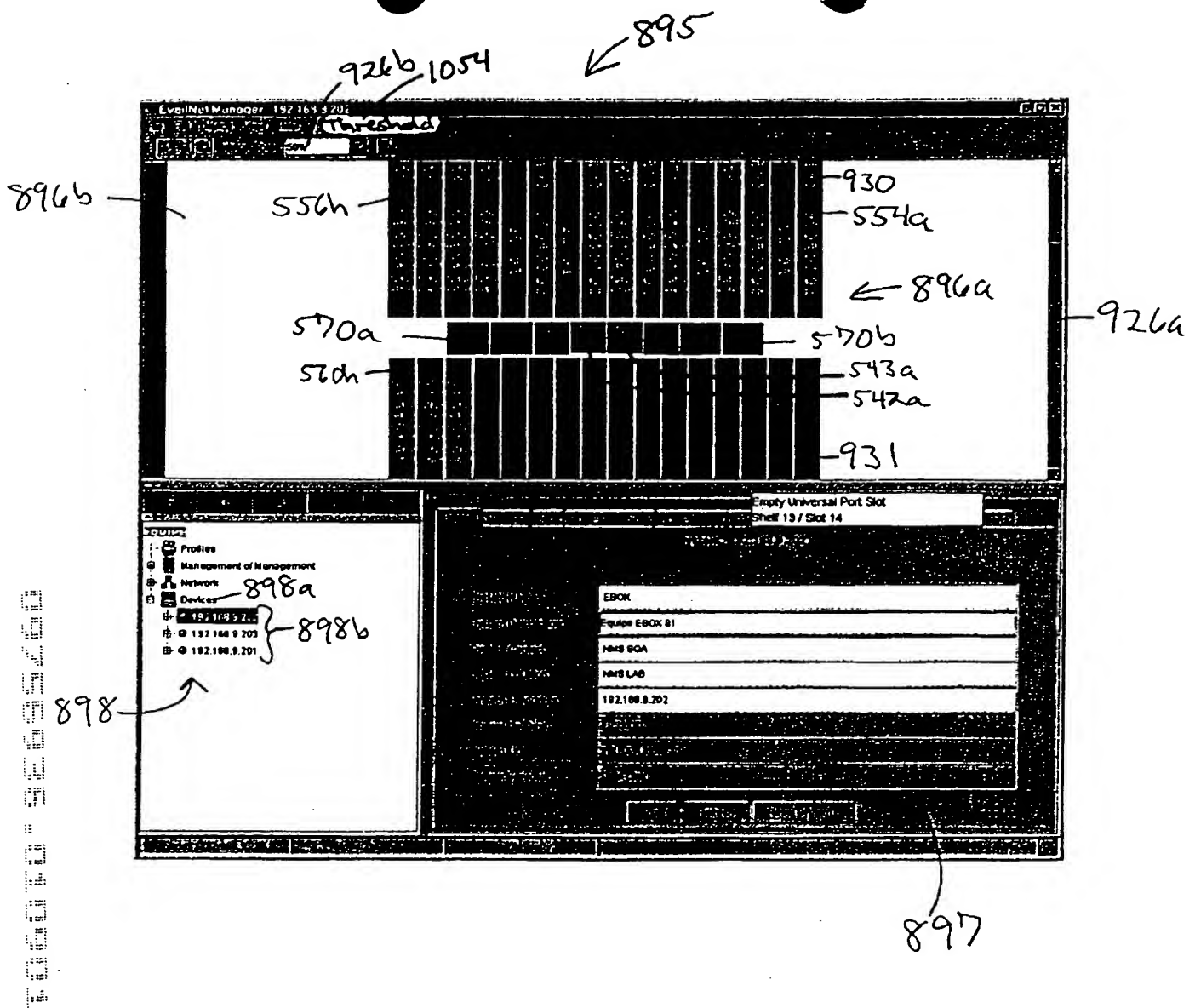


Fig. 66e

Fig. 67

1056
↙

Threshold Dialog Box

1056a	Resource:	1056j	1056f
1056b	Attribute:		
1056c	Threshold Rule:	1056k	1056g
1056d	Sampling Frequency:		
1056d	Action:	1056L	1056h
	1056o <input type="checkbox"/> Log	1056m	1056i
	1056n <input type="checkbox"/> NMS		
	1056p <input type="button" value="OK"/>	<input type="button" value="Cancel"/>	

1056a 1056b 1056c 1056d 1056e 1056f 1056g 1056h 1056i 1056j 1056k 1056L 1056m 1056n 1056o 1056p

Fig. 68

Dynamic Threshold Table

1048

	1048a Resource ID	1048c Attribute	1048d Sampling Freq.	1048e Action	1048f Rule
1048g	901	Unavailable Seconds (Path end)	15 min	Log	if attribute > 10
	901	Path Errors (path end)	15 min	trap	if attribute <5 or >10
	901	Path Errors (path end)	5 min	Log & trap	if attribute <5 or >10
	⋮	⋮	⋮	⋮	⋮
1048h	5054	failed call attempts	10 min	trap	if attribute >8 between 8:00am-7:00pm or >2 between 7:00pm-8:00am
	5054	hcs errors	12 min	trap	if attribute >13
	⋮	⋮	⋮	⋮	⋮
	7312	Rx Traffic	1 hour	trap	if attribute <4
	7312	Tx Traffic	1 hour	trap	if attribute =Ø
	⋮	⋮	⋮	⋮	⋮

[illegible]

1048' ↘

Dynamic Threshold Table

1048a' Thr. Group LID	1048b' Resource	1048c' Attribute	1048d' Sampling Freq.	1048e' Action	1048f' Rule
8312	SONET Path	Unavailable Seconds (Path end)	15 min	Log	if attribute > 10
8312	SONET Path	Path Errors (Path end)	15 min	trap	if attribute <5 or >10
8312	SONET Path	Path Errors (far end)	5 min	Log & trap	if attribute <5 or >10
• • •	• • •	• • •	• • •	• • •	• • •
8433	ATM If	failed call attempts	10 min	trap	if attribute >8 between 8:00am-7:00pm or >2 between 7:00pm-8:00am
8433	ATM If	hcs errors	12 min	trap	if attribute >13
• • •	• • •	• • •	• • •	• • •	• • •
8542	Virtual Conn.	Rx Traffic	1 hour	trap	if attribute <4
8542	Virtual Conn.	Tx Traffic	1 hour	trap	if attribute =Ø
• • •	• • •	• • •	• • •	• • •	• • •

Fig. 69a

Fig. 69b

1052

Threshold Group Table

1052a

Resource ID	Threshold Group LID
901	8312
902	8313
903	8312
⋮	⋮
5054	8433
⋮	⋮
7312	8542

1052b

Fig. 70a

Dynamic Threshold Table

1048a ¹¹	1048b ¹¹	1048c ¹¹	1048d ¹¹	1048e ¹¹	1048f ¹¹	1048g ¹¹	1048h ¹¹	1048i ¹¹	1048j ¹¹	1048k ¹¹	1048l ¹¹	1048m ¹¹	1048n ¹¹
Thr. Group LID	Resource	Attribute	Sampling Freq.	Action	Rule LID	Variable a	Variable b	Variable c	Variable d	Variable e	Variable f	...	Variable n
8312	SONET Path	Unavailable Seconds (Path end)	15 min	Log	9421	10							
8312	SONET Path	Path Errors (Path end)	15 min	Trap	9422	5	10						
8312	SONET Path	Path Errors (far end)	5 min	Log & trap	9422	5	10						
...
8433	ATM If	Failed call attempts	10 min	Trap	9423	8	8:00am	7:00pm	2	7:00pm	8:00am		
8433	ATM If	hcs errors	12 min	Trap	9421	13							
...
8542	Virtual Conn.	Rx Traffic	1 hour	Trap	9424	4							
8542	Virtual Conn.	Tx Traffic	1 hour	Trap	9425								
...

1048u¹¹1048v¹¹1048¹¹

T00070-95695260

Fig. 70b

Threshold Rule Table

Rule LID	Expression
9421	if attribute > a
9422	if attribute < a or > b
9423	if attribute > a between b-c or > d between e-f
9424	if attribute < a
9425	if attribute = 0
9426	RMON
9427	FOE
9428	if attribute < a go to rule LID b
⋮	⋮

[illegible]

Fig. 72a

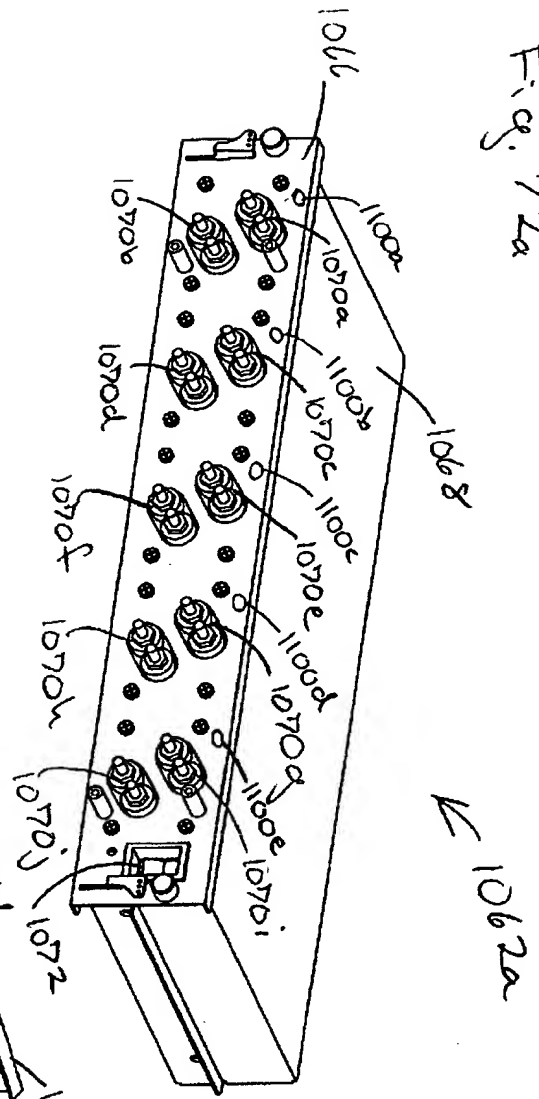


Fig. 72b

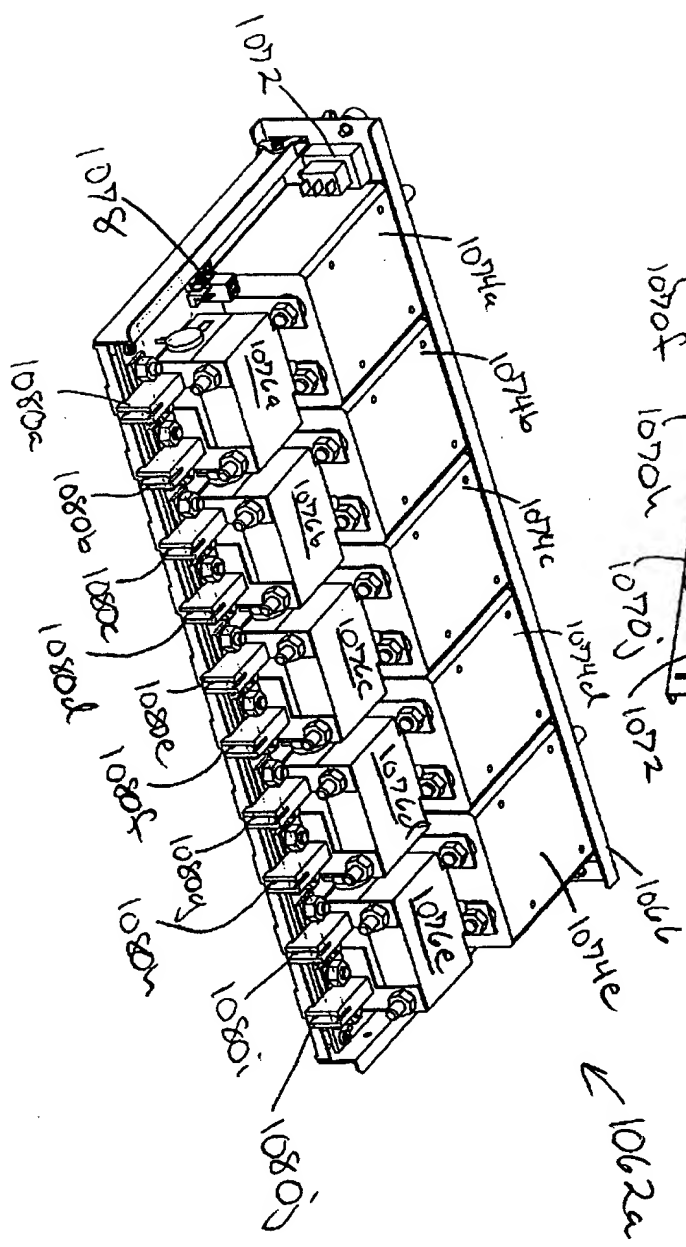
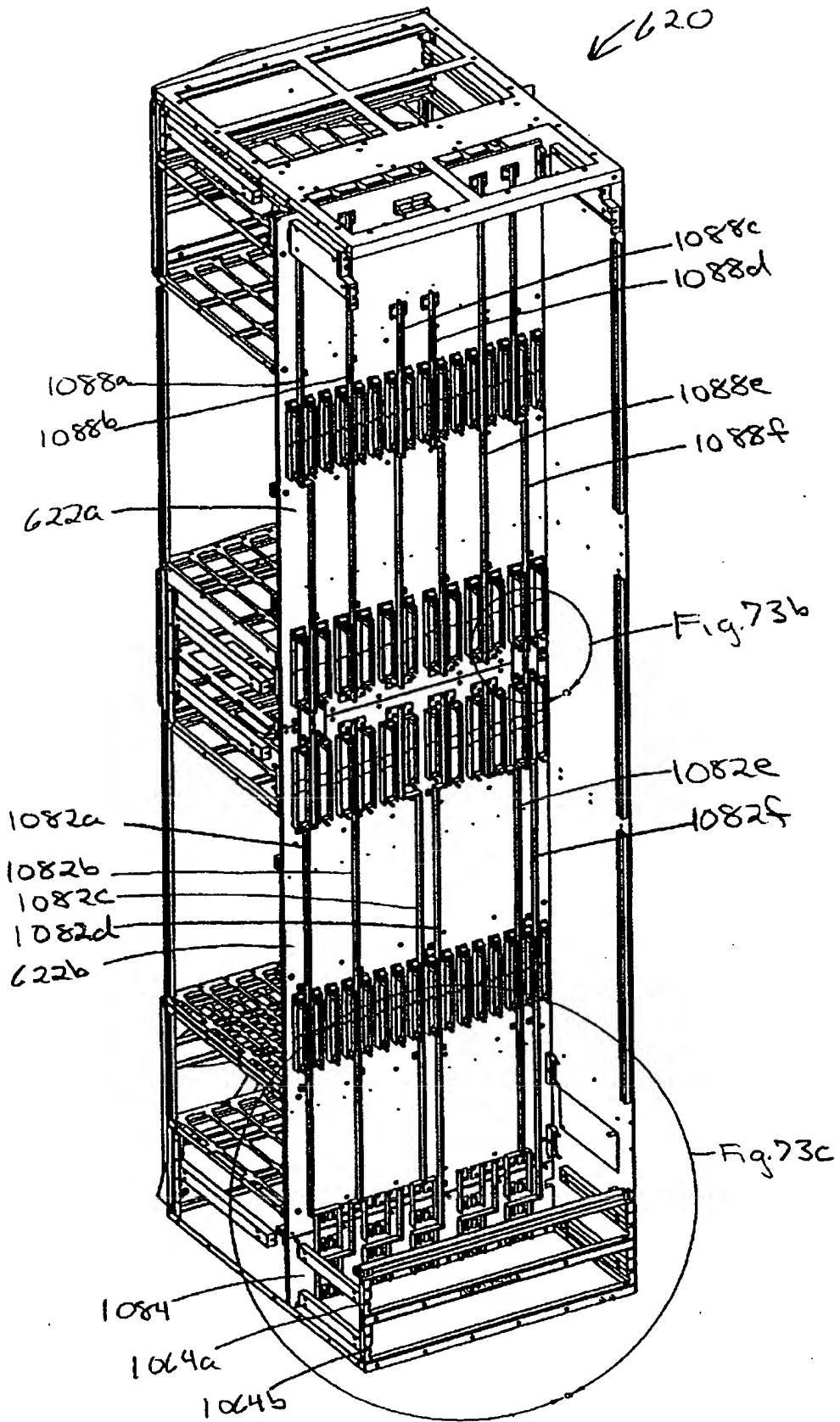


Fig. 73a



Rear View

00756936-040004

Fig. 73b

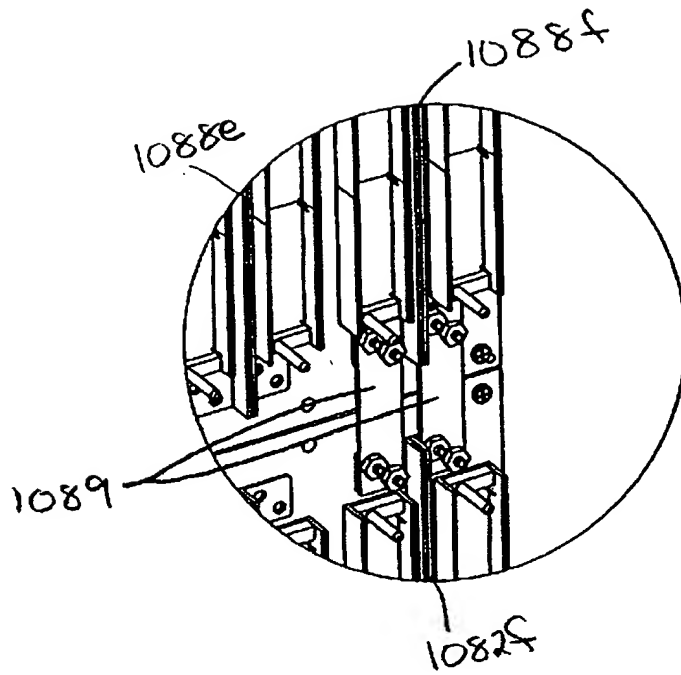
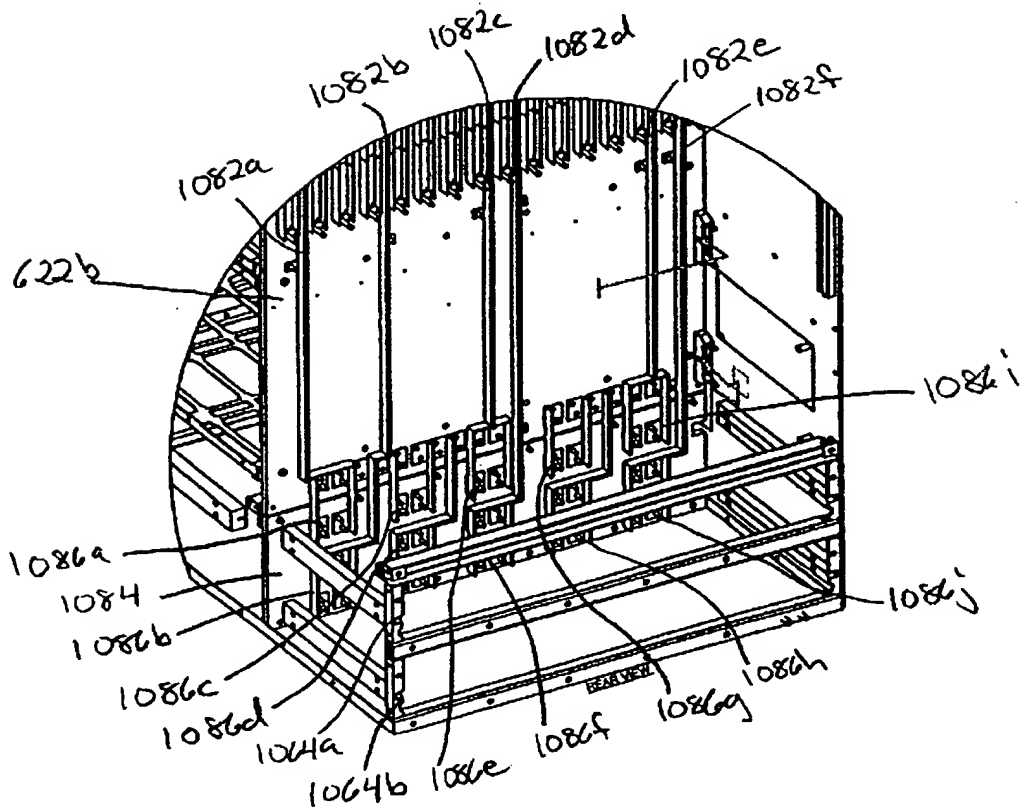


Fig. 73c



109755626-040004